# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

# PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

remains in effect until it is the Landowner in the even individual parcels identification of the authorized to recommend the Landowner:  The Landowner is the own the agricultural, silvicultural as Exhibit A.	s terminated in writing by either the state of a sale of one or more part of a sale of one or more part of this agreement changes eceive biosolids or industrial representation of reclamation sites identification.	petween	ttee". This agreement parcels that are retained by cels changes. If ownership of ship has changed will no , Virginia, which includes ed on the tax map(s) attached	
Table 1.: Parcels a	uthorized to receive biosolids	, water treatment residuals or o	ther industrial sludges	
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	
25-35				
		The state of the s		
Additional parcels containing L	and Application Sites are identified o	n Supplement A (check if applicable)		
In the event that the Land within 38 months of the later than the date 2. Notify the Permitte The Landowner has no other notify the Permittee immediapplication or any part of the Landowner hereby gragicultural sites identified inspections on the land idepurpose of determining controls.	the Landowner is the sole own the Landowner is one of multiple owner sells or transfers all or plest date of biosolids applications of the property transfer; and see of the sale within two weeks the agreements for land applicately if conditions change sure agreement becomes invaligately if conditions change sure agreement becomes invaligants permission to the Permitter above and in Exhibit A. The Intified above, before, during a multiple of the property of t	ner of the properties identified hele owners of the properties identified by part of the property to which bid on, the Landowner shall:  able public access and crop may be following property transfer.  Cation on the fields identified hele that the fields are no longer identified or the information herein conceet to land apply residuals as spandowner also grants permissed or after land application of permitted to such applicable to such application of processing waste of the property of the processing waste of the processing waste of the property of the p	ntified herein. Psolids have been applied Inagement restrictions no  rein. The Landowner will available to the Permittee for tained becomes incorrect. Decified below, on the ion for DEQ staff to conduct witted residuals for the polication.  Per industrial sludges	lap
Nutri-Blend Inc, the Permanner authorized by the VP, plan prepared for each land a The Permittee agrees to notify specifically prior to any particular applied.	pplication field by a person certification field by a person certification to the Landowner application to the Landowner assigning signators authority to	and/or industrial residuals on the ints not to exceed the rates identified in accordance with §10.1-104. er's designee of the proposed sch's land. Notice shall include the state person signing for landowner and state the person signing for landowner.	Landowner's land in the lied in the nutrient management 2 of the Code of Virginia. edule for land application and purce of residuals to be	3ci2
this document(s) available to I	DEQ for review upon request. (D	the person signing for landowner a O not check this box if the landowner s	above. I will make a copy of igns this agreement)	
Bill Burnett	Bill Burnett	Nutri-	Blend, Inc.	
Permittee – Authorized Represe Printed Name	ntative Signature	P. O. I	Box 38060 CO, VA 23231	

_	VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT  Permittee: Notin - Blend County or City: Amelia  Landowner: Robert Borum
	Landowner Site Management Requirements:
	I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of
	I have also been expressly advised by the Permittee that the site management requirements and site access

restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

#### 2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

### 3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

# 4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

804-339-2500 5-5-18

Rev 9/14/2012

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

# Landowner Coordination Form

Rev 9/14/2012

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement - Biosolids and Industrial Residuals form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:Nutri-Blend Inc	
County or City: Amelia	
Please Print	
Tax Parcel ID(s)	(Signatures not required on this page
Tex Farce (D/S)	<u>Landowner(s)</u>
25-35	
	Robert Borum

Page \_\_\_of\_\_\_





# 10900 E BUNKER HILL RD RICE, VA 23966

## Parcel Information

Parcel ID: 25 35

Tax Map: 25

Block: N/A

Property Address: 10900 E BUNKER HILL RD

RICE, VA 23966

Deed Book: 279 Deed Page: 1,086 Account: 5291

Double Circle: N/A

Lot: 35

Description 1: 5 AC & BLDGS 25-35A

Description 2: N/A

Description 3: 119.552 AC

Description 4: 2016-2019

### Valuation

Total: \$189,400 Land: \$189,400 Improvements: \$0 Use Value: \$96,000

### Ownership

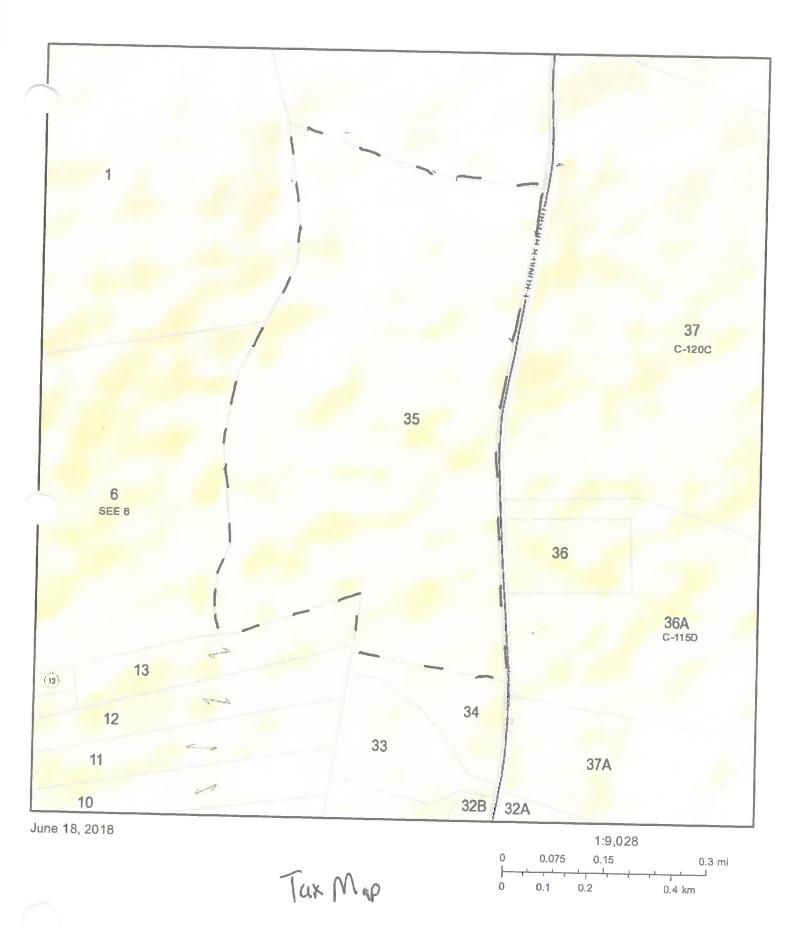
**Current Owner** 

Name: BORUM ROBERT M TRUSTEE

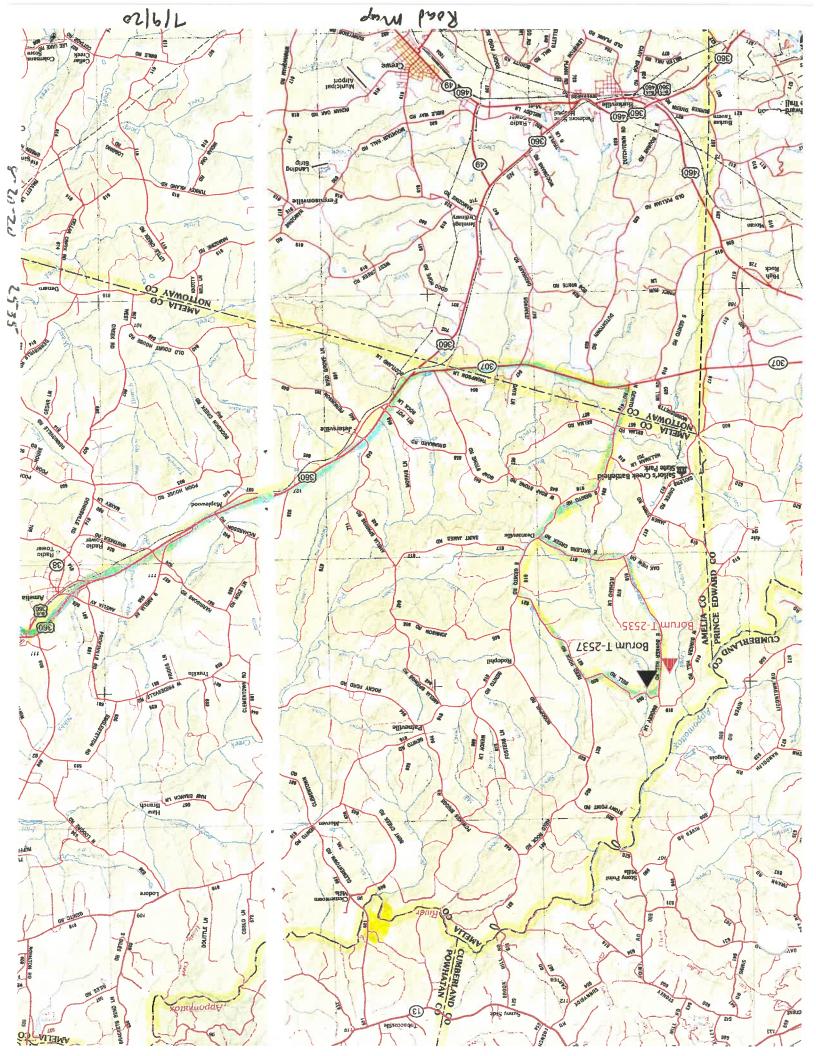
Owner Address: PO BOX 95

Owner City, St Zip: AMELIA COURT HOUSE V 23002

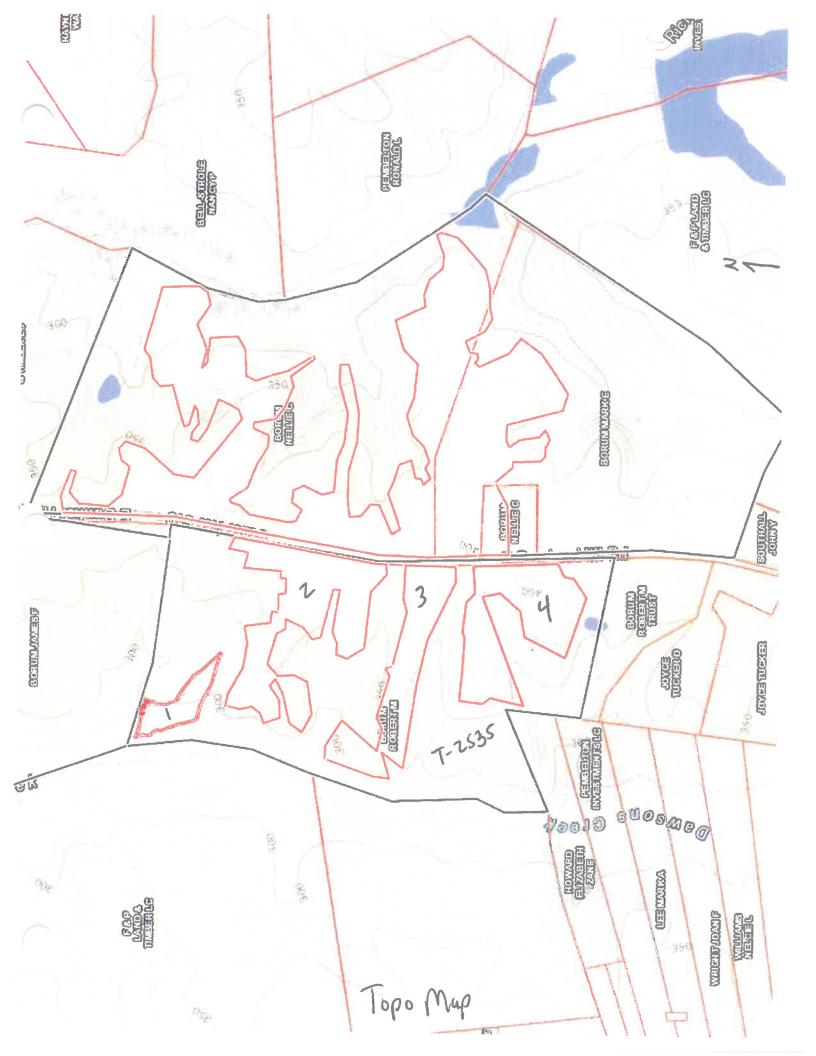
Parcel ID: 25 35 1 | Page



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MGCC, @ OpenStreetMap contributors, and the GIS User Community









#### MAP LEGEND

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points





Blowout Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip Sodic Spot

Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Special Line Features

#### Water Features

Streams and Canals

#### Transportation



Interstate Highways



**US Routes** 

Rails



Major Roads

#### Local Roads

#### Background



Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

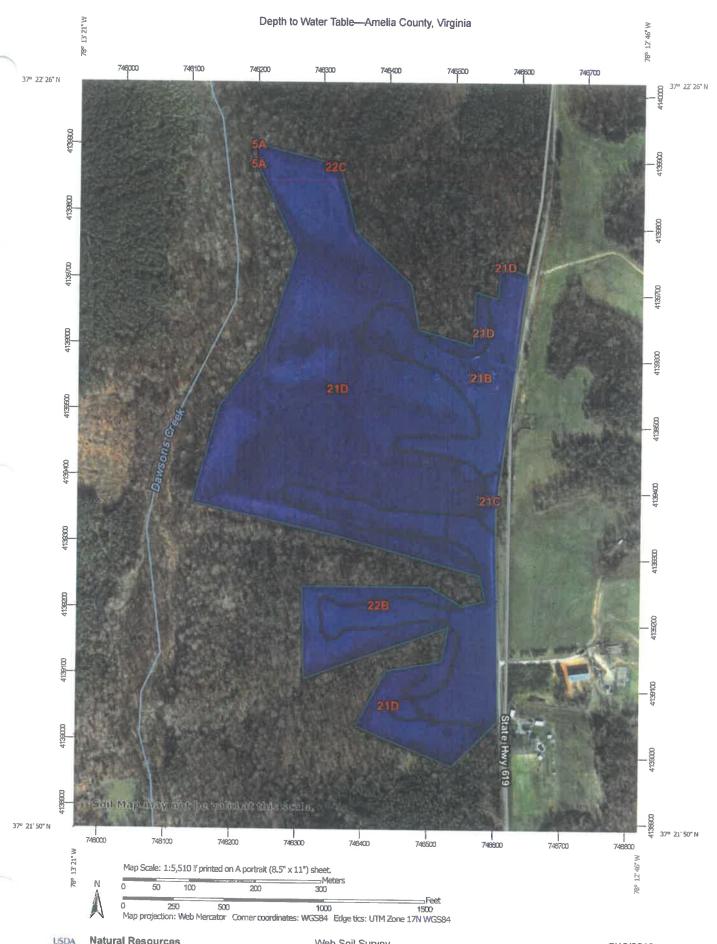
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5,

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# **Map Unit Legend**

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
5A	Chewacla silt loam, 0 to 2 percent slopes, frequently flooded	0.1	0.2%
21B	Wedowee-Poindexter complex, 2 to 7 percent slopes	6.6	10.9%
21C	Wedowee-Poindexter complex, 7 to 15 percent slopes	0.4	0.7%
21D	Wedowee-Poindexter complex, 15 to 25 percent slopes	44.0	72.7%
22B	Winnsboro sandy loam, 2 to 7 percent slopes	9.4	15.6%
Totals for Area of Interest		60.5	100,0%



#### MAP LEGEND

#### Area of Interest (AOI) Notratedornotavailable $\mathbf{D}$ Area of Interest (AOI) Water Featureas Soils Streams and Canalis Still Ratting Polygons Transportation 0 - 25#-#W/ Rails 25 - 50 »«»^ Interstate Highways 50 - 100 US Routes 100 - 150 Maijor Roads 150 - 200 Local Roads > 200 **Background** Not rated or not available Aerial Photographw Soil Rating Lines 0 - 2525 - 50100 - 150 150 - 200> 200 Not rated or not available **Soil Rating Points** 0 - 2525 - 50 50 - 100 100 - 150 150 - 200 > 200

#### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Depth to Water Table

Mapunitsymbol	Map unit name	Rating (centimaters)	Acres in AOI	Percent of AOI
5A	Chewacia silt loam, 0 to 2 percent slopes, frequently flooded	31	0.0	0.1%
21B	Westowee Praindexterr complex, 2 to 7 percent slopes	>200	7.1	12.1%
21C	Wadawee-Poindexter complex, 7 to 15 percent slopes	>200	0.5	0.9%
21D	Wedowee-Poindexter complex, 15 to 25 percent alopes	>200	41.5	70,9%
22B	Winnstooro sandy loam, 2 to 7 percent slopes	>200	9.3	16.0%
22C	Winnsterrosandyloam, 7 to 15 percent slopes	>200	0.0	0.1%
Fatals for Area of Inter	est		58.5	100.0%

# **Description**

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

# Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component Component Percent Cutoff: None Specified

Tie-break Rule: Lower Interpret Nulls as Zero: No Beginning Month: January Ending Month: December



# **Borum Tract T-2535 Field Data Sheet**

Field	Total	Tract C	oordinates	7
	Acres	Latitude	Longitude	Field Type
2535-1 2535-2 2535-3 2535-4	4.5 14.5 9.5 12.0	37.3681	-78.2175	Agricultural Agricultural Agricultural Agricultural
SUM	40.5			ı

<sup>\*</sup>All Latitude/Longitude Points were obtained through Google Earth

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

# PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

		= . C C C L D C AND I	ADOSTAIAL RESIDUALS	
remains in effect until it is the Landowner in the even individual parcels identified	rerminated in writing by either	party or, with respect to cels, until ownership of a	those parcels that are retained I Il parcels changes. If ownership	
Landowner: The Landowner is the owner	er of record of the real proper	ty located in A !	Virginia, which includes lentified on the tax map(s) attac	s hed
Table 1.: Parcels au	thorized to receive biosolids,	water treatment residual	s or other industrial sludges	
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	
7 63				
38.44				
38-98				
T Addition				
Additional parcels containing Lan	d Application Sites are identified on	Supplement A (check if applic	able)	
Check one:  ☐ The	e Landowner is the sole owne e Landowner is one of multipl	er of the properties ident	fied herein.	
In the event that the Landov	wner sells or transfers all or p st date of biosolids applicatio	art of the mannet at a 11	ch biosolids have been applied	
- in induity the purchase	I Of Ifansieree of the annical	n, the Landowner shall:	op management restrictions no	
	of the property transfer; and e of the sale within two weeks			
The Landowner has no other	T agracoments for land and the	Tollowing property trains	ei.	
y will a diffill the diffill the diffi	atery ir continions channa end	'n that the tielde ese es l	ed herein. The Landowner will onger available to the Permittee n contained becomes incorrect.	for
The Landowner bereby gran	ate permission to the Decision	or the information fiere	n contained becomes incorrect.	
inspections on the land iden		andowner also grants pe	rmission for DEQ staff to condu	ıct
r resolutioning com	busines with regulatory requir	ements applicable to su	ch application	
Class B biosolids Wate x Yes □ No □ Yes	r treatment residuals Fo	od processing waste Yes x No	Other industrial sludges  ☐ Yes x No	
MAILER	VIII V	2		
1110111 F PON	w //ly Es	run 10	475 EAST Bunker L. U. 1	21 00
Landowner - Printed Name, Title	Signature		Mailing Address	1 4
Permittee:			-	
_Nutri-Blend Inc, the Perm	nittee, agrees to apply biosolids	and/or industrial residuals	on the Landowner's land in the	
plan prepared for each land app	plication field by a person certification	nts not to exceed the rates	identified in the nutrient management	
cuminge agrees to Hollly I	the Landowner or the Landowner ar application to the Landowner	rie docionas ataba	1 1 1 2 2 2 2 2	d
☐ I reviewed the document(s) a this document(s) available to D	essigning signatory authority to t EQ for review upon request. (Do	he person signing for land	owner above. I will make a copy of owner signs this agreement)	
Bill Burnett	R'an R			
Permittee – Authorized Represent	1 July Humen		Nutri-Blend, Inc.	
Printed Name	ative Signature		P. O. Box 38060 Henrico, VA 23231	
			FIGUREUS MAY 2 3 2 3 2	

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT  Permittee:
Londonmar Otto 24
Landowner Site Management Requirements:
I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.
I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

#### 2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

#### 3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

# Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Mule Ism Landowner's Signature	804-339-2500	5-9-18
candowner a dignature		Date

Rev 9/14/2012

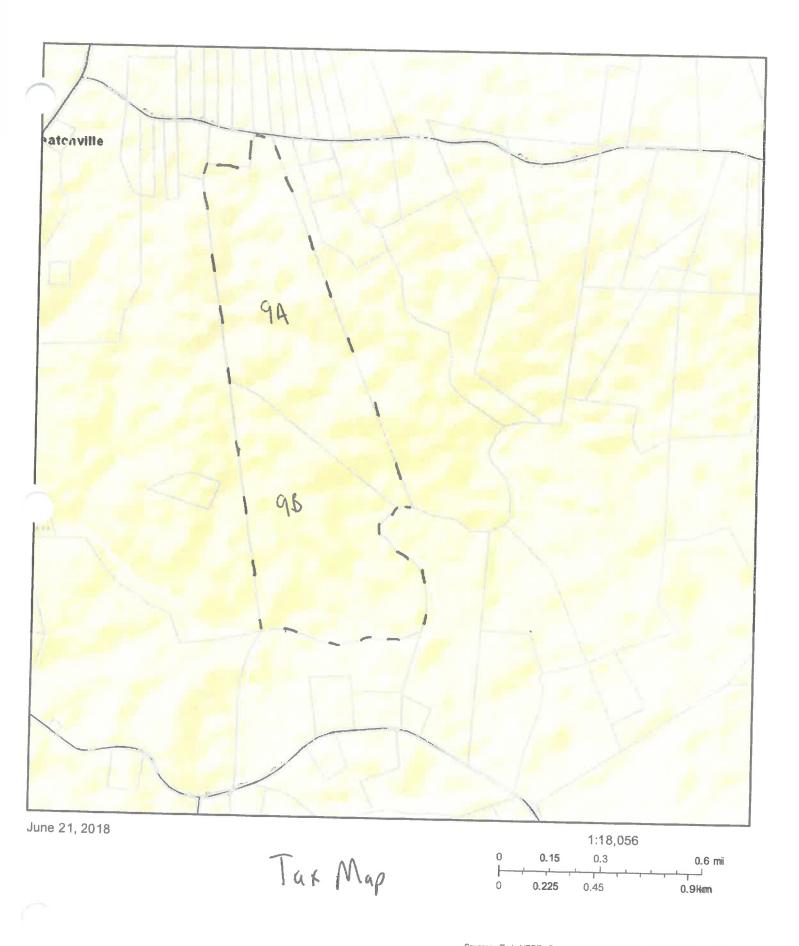
# Landowner Coordination Form

Rev 9/14/2012

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement - Biosolids and Industrial Residuals form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

County or City: Amelia	Permittee:Nutri-Blend Inc	
Please Print  (Signatures not required on this page  Tax Parcel ID(s)  Landowner(s)	County or City: Amelia	
Tax Parcel ID(s)  Landowner(s)		
Editiowite(s)		(Signatures not required on this page
38-9B Mark Borum 38-9B Mark Borum	Tax Parcel ID(s)	Landowner(s)
38-9B Mark Borum 38-9B Mark Borum		
38-48 Mark Borum  38-48 Mark Borum	30 - 00	
38-98 Mark Borum	38-75	Mark Borum
	38-98	mark Borum

Page \_\_\_of\_\_





fec'd 20' 20

Amelia County, VA http://www.ameliacova.com

# N/A N/A

# Parcel Information

Parcel ID: 38 9A

**Tax Map:** 38

Block: N/A

Property Address: N/A

N/A

Deed Book: 278

Deed Page: 7,263

Account: 10844

Double Circle: N/A

Lot: 9A

Description 1: PARCELA

Description 2: N/A

Description 3: 113.540 AC

Description 4: N/A

#### Valuation

Total: \$59,000 Land: \$59,000 Improvements: \$0 Use Value: \$0

### Ownership

#### **Current Owner**

Name: PEMBELTON INVESTMENTS LC
Owner Address: VIRGINIA OUTDOORS FO
Owner City, St Zip: BLACKSTONE VA 23824

Parcel ID: 38 9A





### N/A N/A

# Parcel Information

Parcel ID: 38 9B Tax Map: 38

Block: N/A

Property Address: N/A

N/A

Deed Book: 278 Deed Page: 7,262 Account: 11338

Double Circle: N/A

Lot: 9B

Description 1: PARCEL B

Description 2: N/A

Description 3: 120.780 AC

Description 4: N/A

#### Valuation

Total: \$62,800 Land: \$62,800 Improvements: \$0 Use Value: \$0

## Ownership

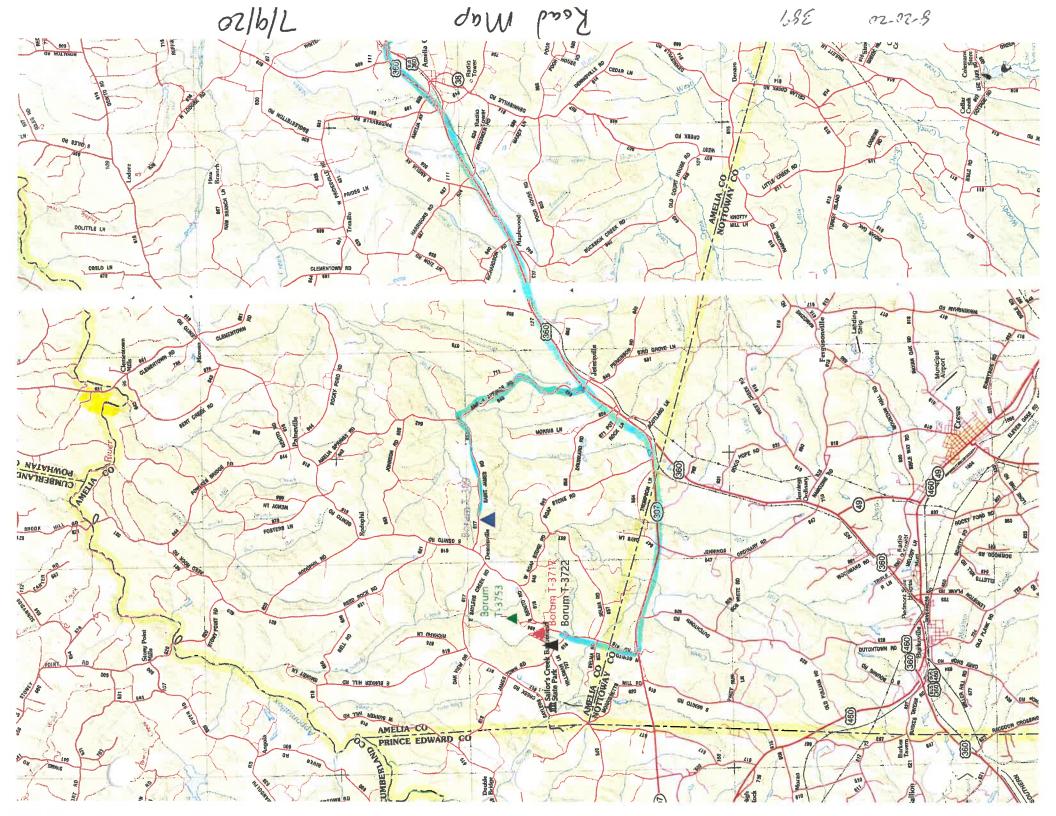
#### **Current Owner**

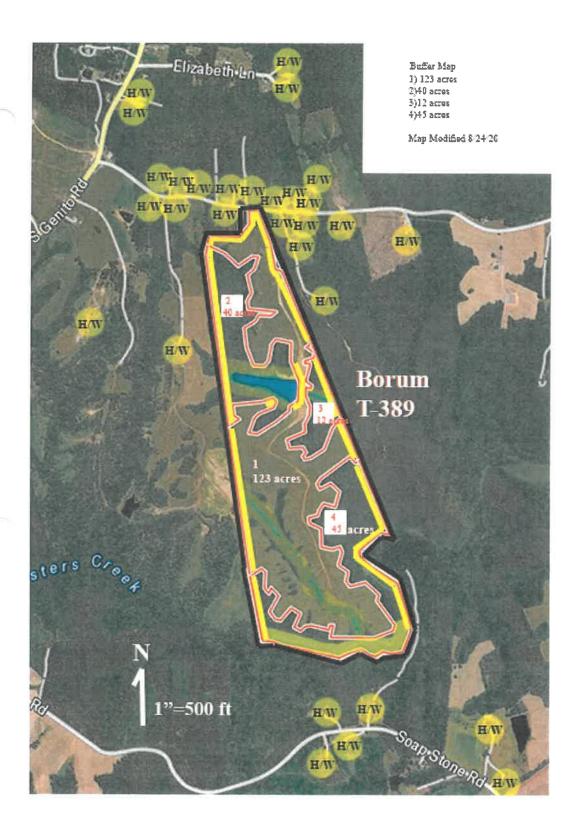
Name: PEMBELTON INVESTMENTS LC

Owner Address: VIRGINIA OUTDOORS FO

Owner City, St Zip: BLACKSTONE VA 23824

Parcel ID: 38 9B





Re'd 8-24-20

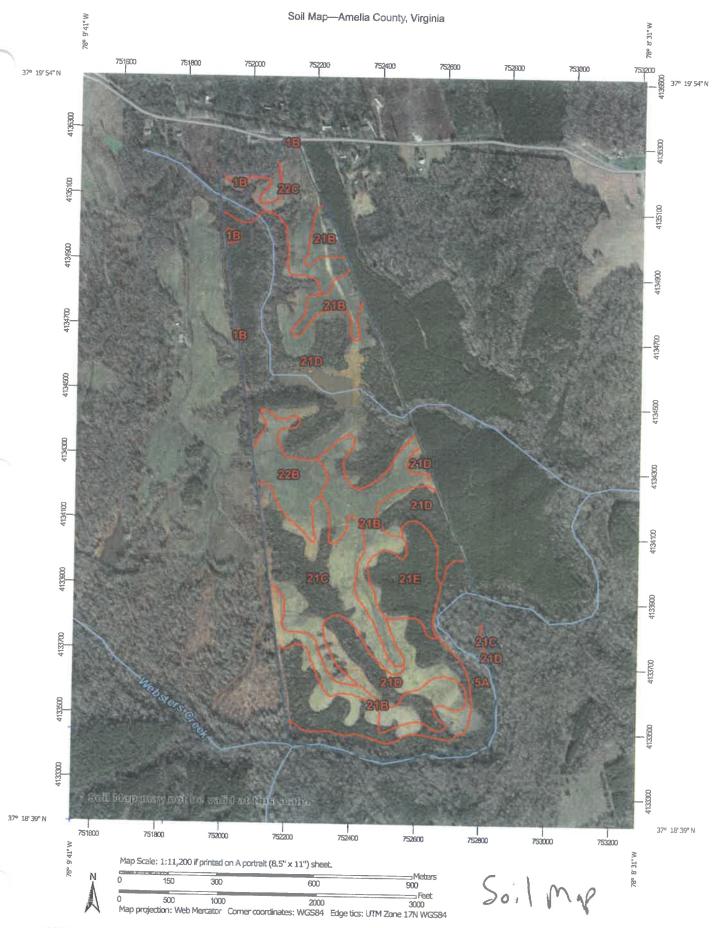


Topo Map

https://webmap.onxmaps.com/map.html

8/24/20

8748



#### MAP LEGEND

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points

#### Special Point Features

Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



**Gravelly Spot** 



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry Miscellaneous Water



Perennial Water



Rock Outcrop







Severely Eroded Spot



Slide or Slip

Sodic Spot

Spoil Area Stony Spot



Very Stony Spot



Wet Spot

Other

Special Line Features

#### **Water Features**

Streams and Canals

#### **Transportation**

 $\leftarrow$ 

Rails



Interstate Highways



**US Routes** 



Major Roads

#### Local Roads

#### Background



Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

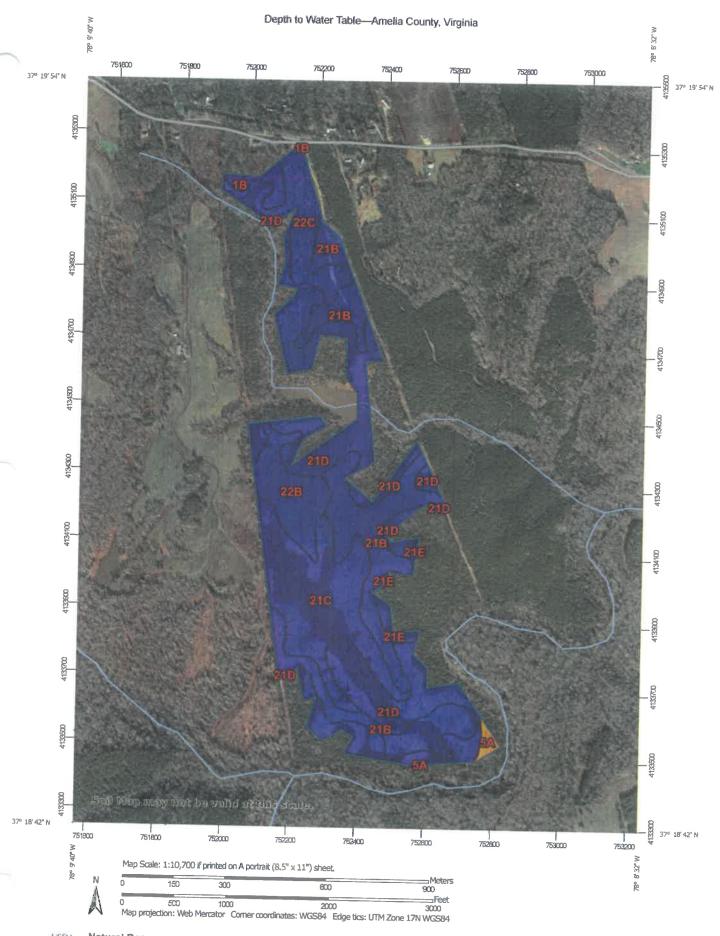
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1B	Appling fine sandy loam, 2 to 7 percent slopes	2.7	1.2%
5A	Chewacla silt loam, 0 to 2 percent slopes, frequently flooded	22.0	9.5%
21B	Wedowee-Poindexter complex, 2 to 7 percent slopes	35.9	15.6%
21C	Wedowee-Poindexter complex, 7 to 15 percent slopes	27.3	11.8%
21D	Wedowee-Poindexter complex, 15 to 25 percent slopes	104.8	45.4%
21E	Wedowee-Poindexter complex, 25 to 40 percent slopes	12.2	5.3%
22B	Winnsboro sandy loam, 2 to 7 percent slopes	10.7	4.7%
22C	Winnsboro sandy loam, 7 to 15 percent slopes	15.0	6.5%
otals for Area of Interest		230.7	100.0%



#### MAPLEGEND

#### Area offlinteness (AOI) Not rated or not available m Arread finite rest(AOI) Water Features Solls Streams and Canals Seil Rating Polygon's Transportation 0 - 25Rails +-25-50 Interstate Highways 50 - 100 **US Routes** 100 - 150 Major Roads 150 - 200 Local Roads > 200 **Background** No tratector montavailable Aerial Photography Soil Rating Lines 0 - 25 25 - 50 50 - 100100 - 150150 - 200 Not rated or not available Soil Rating Points 0 - 2525 - 50 50 - 100 100 - 150 150 - 200

#### **MAP INFORMATION**

ThreseilsurveysthetteempriseyouriAO watemappedat 1:24,000.

Warring; Soil Marpmay not be valid at this scale.

Enlargement of maps, beyon with the scale of mapping can caus? MISUN derstanding of the detail of mapping and accuracy of soil in replacement. The maps do not is how the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source-of Mapp: Netural Resourcess Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

> 200

# **Depth to Water Table**

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AO!	Percent of AOi
1B	Appling fine sandy loam, 2 to 7 percent slopes	>200	2.5	1.8%
5A	Chewardasilit loam, 0 to 2 percent slopes, frequently flooded	31	1.1	0.8%
21B	Wedowee-Painthexter complex, 2 to 7 percent slopes	>200	35.2	25.6%
21C	WedoweePhoindexter complex, 7 to 15 percent slopes	>200	27.1	19.7%
21D	Wedowee-Poindexter complex, 15 to 25 percent slopes	>200	46.4	33.7%
21E	Wedowee-Paintexter complex, 25 to 40 percent slopes	>200	2.3	1.7%
2B	Winnsboro sandly loam, 2 to 7 percentislopes	>200	10.8	7.8%
2C	Winnstorosamdy/loam, 7 to 15 percent slopes	>200	12.3	8.9%
otals for Area of Intere	sit		137.6	100.0%

# **Description**

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

# **Rating Options**

Units of Measure: centimeters

Aggregation Method: Dominant Component Component Percent Cutoff: None Specified

Tie-break Rule: Lower



### Borum Tract T-389 Field Data Sheet

Field	Total	Tract Coordinates		1
	Acres	Latitude	Longitude	Field Type
389-1 389-2 389-3 389-4	123.0 40.0 12.0 45.0	37.3255	-78.1534	Agriculture/Pasture Silvicultural Silvicultural Silvicultural
SUM	220.0			•

\*All Latitude/Longitude Points were obtained through Google Earth

Rec P 8-24-20

# 2520

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

2616

# PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL PESIDUALS

A. This land application ag here as "Landowner", and remains in effect until it is to the Landowner in the even individual parcels identified longer be authorized to reculandowner:  The Landowner is the owner the agricultural, silvicultural as Exhibit A.	Nutri-Blend Inc	party or, with respect to parcels, until ownership of s, those parcels for which residuals under this agree	Permittee". This agrice those parcels that all parcels changes. ownership has changement.	referred to eement re retained by If ownership of led will no	
	Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges				
Tax Parcel ID	Tax Parcel ID	<u>Tax Parcel ID</u>	<u>Tax P</u>	arçel ID	
26-14	26-16				
25-20	26-21				
26-19					
Additional passals assisting to					
Additional parcels containing Lan	d Application Sites are identified	on Supplement A (check if appli	cable)		
Check one:	e Landowner is the sole over Landowner is one of mul	vner of the properties iden	ified herein.		
	or or transferee of the application of the property transfer; and of the sale within two weeks are agreements for land applicately if conditions change is agreement becomes investigated and in Exhibit A. The tiffied above, before, during pliance with regulatory requires treatment residuals in the conditions of the permission to the Pe	cable public access and created existence of the common state of t	op management rest  ifer.  fied herein. The Land longer available to the in contained become s as specified below, ermission for DEQ st if permitted residuals ich application.  Other industrial slu  Yes x No	lowner will e Permittee for es incorrect. on the aff to conduct for the	
Permittee: _Nutri-Blend Inc, the Permittee authorized by the VPA plan prepared for each land apprepared for each land appreciately prior to any particular applied.  □ I reviewed the document(s) at this document(s) available to Discourage in the permittee — Authorized Represent Printed Name	continued to the land of an amolication field by a person certified Landowner or the Landowner application to the Landowner application to the Landownessigning signatory authority EQ for review upon request.	rified in accordance with §10 vner's designee of the proporter's land. Notice shall include the transfer of the proporter's land.	sidentified in the nutrier .1-104.2 of the Code of sed schedule for land a le the source of residual towner above. I will management towner signs this agreement.	nt management f Virginia. pplication and als to be	
Rev 9/14/2012	hu cun na - 1	Pal / Banna	primay	Mark 2500	
•	134 547 30 <b>21</b> - 16	CONTRACTORS	Contact.	334	
	(	Wheit		Rai	

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT  Permittee:
Landowner Site Management Requirements:
I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.
I have also been expressly advised by the Permittee that the site management requirements and site access

restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

### 2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols:
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

#### 3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

#### 4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature S-2-18

Date

14/2012

Mark Borum: 804-339-2500

# Landowner Coordination Form

Permittee<sup>-</sup>

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement - Biosolids and Industrial Residuals form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:Nutri-Blend Inc	·
County or City: Amelia	
Please Print	(Signatures not required on this page
Tax Parcel ID(s)	Landowner(s)
26-14	N
25-20	Donna W Horne
26-19	1
26-16	1,
Z(o = Z-1)	. 1
20- 2-1	
	⊕
	P

Rev 9/14/2012

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND API	PLICATION AGREEMEN	IT - BIOSOLIDS AND IN	DUSTRIAL RESIDUALS
A. This land application ag here as "Landowner", and remains in effect until it is to the Landowner in the even individual parcels identified	Nutri-Blend Inc // erminated in writing by either tof a sale of one or more pain this agreement changes	referred to here as the "Pe	referred to referred to rmittee". This agreement ose parcels that are retained by parcels changes. If ownership of
Landowner: The Landowner is the owner	er of record of the seel assess	A. 1.	
Table 1.: Parcels au	Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges		
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
24-14	21. 11.		
25-20	24-14		
26-19	26-21 Adday		
☐ Additional parcels containing Land	Application Sites are identified a		
Check one:   The	Application Sites are identified of	n Supplement A (check if applicable	e)
IX The	E Landowner is the sole own	ner of the properties identifie ple owners of the properties	d herein.
n the event that the Landow within 38 months of the later  1. Notify the purchaser later than the date of 2. Notify the Permittee	mer sells or transfers all or j st date of biosolids application or transferee of the application of the property transfer; and of the sale within two week	part of the property to which on, the Landowner shall: able public access and crop is following property transfer	biosolids have been applied management restrictions no
it among the state of the	agreement becomes inval	ich that the fields are no long id or the information herein (	ger available to the Permittee for contained becomes incorrect
The Landowner hereby gran	ts permission to the Permitt bove and in Exhibit A. The lified above, before, during of pliance with regulatory requi treatment residuals	tee to land apply residuals a Landowner also grants pern or after land application of p irements applicable to such ood processing waste I Yes x No	s specified below, on the nission for DEQ staff to conduct ermitted residuals for the application.  Other industrial sludges  Yes x No
1 deliver District	ex family	-/ / llm	1840 N. Codore R.C
Landowner - Printed Name, Title	Signature	9// M	11840 N. Codore Rd ailing Address Amelia 23002
Permittee:		• /	
_Nutri-Blend Inc, the Perm manner authorized by the VPA I plan prepared for each land app The Permittee agrees to perfect	ittee, agrees to apply biosolids Permit Regulation and in amou	s and/or industrial residuals on unts not to exceed the rates ide	the Landowner's land in the
The Permittee agrees to notify the specifically prior to any particular applied.	TE LANGOWNER OF The Landows	aria doniones etales	
☐ I reviewed the document(s) at this document(s) available to DE	ssigning signatory authority to Q for review upon request. (D	the person signing for landow to not check this box if the landow	ner above. I will make a copy of ner signs this agreement)
Bill Burnett	Bill Bun #	N <sub>1</sub>	stri-Blend, Inc.
Permittee - Authorized Representa	itive Signature		O. Box 38060
Printed Name	च्च भूक्षा र च्या वर्षा । च्य		O. 500 3000

Henrico, VA 23231

Vii	RGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT
Pe	rmittee: Noty: - Blend County or City: Amel >
La	ndowner: Pamela Piper
La	ndowner Site Management Requirements:
3-	he Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations verning the land application of biosolids, the components of biosolids and proper handling and land application of solids.
	ave also been expressly advised by the Permittee that the site management requirements and site access trictions identified below must be complied with after biosolids have been applied on my property in order to tect public health, and that I am responsible for the implementation of these practices.
l ag	gree to implement the following site management practices at each site under my ownership following the land
1.	Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2.	<ul> <li>Public Access</li> <li>a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.</li> <li>b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;</li> <li>c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.</li> </ul>
3.	·
4,	Livestock Access Restrictions:  Following biosolids application to pasture or hayland sites:  a. Meat producing livestock shall not be grazed for 30 days,  b. Lactating dairy animals shall not be grazed for a minimum of 60 days.  c. Other animals shall be restricted from grazing for 30 days;
	Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia.
6.	Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).
	Jehneler 1/ June 6/1/18
Rev 9/	Landowner's Signature Date 14/2012 Page 2 of 2

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

# Landowner Coordination Form

Permittee:

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement - Biosolids and Industrial Residuals form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

ounty or City: Amelia	_	
se Print		/Simplum and an in the second
Tax Parcel ID(s)	L	(Signatures not required on this pa andowner(s)
26-14	Donn Horne	/ Pamela Piper
25-20	n	7
26-19	n	n
26-16	b <sub>t</sub>	И
76-21	U	ч





Amelia County, VA http://www.ameliacova.com

# 8740 E BUNKER HILL RD RICE, VA 23966

### Parcel Information

Parcel ID: 26 21 Account: 1315
Tax Map: 26 Double Circle: N/A

Block: N/A Lot: 21

Property Address:8740 E BUNKER HILL RDDescription 1:N/ARICE, VA 23966Description 2:N/ADeed Book:N/ADescription 3:2.570 AC

Deed Page: 0 Description 4: N/A

#### Valluantoin

Total: \$21,300 Land: \$20,800 Improvements: \$500

Use Value: \$0

#### Ownership

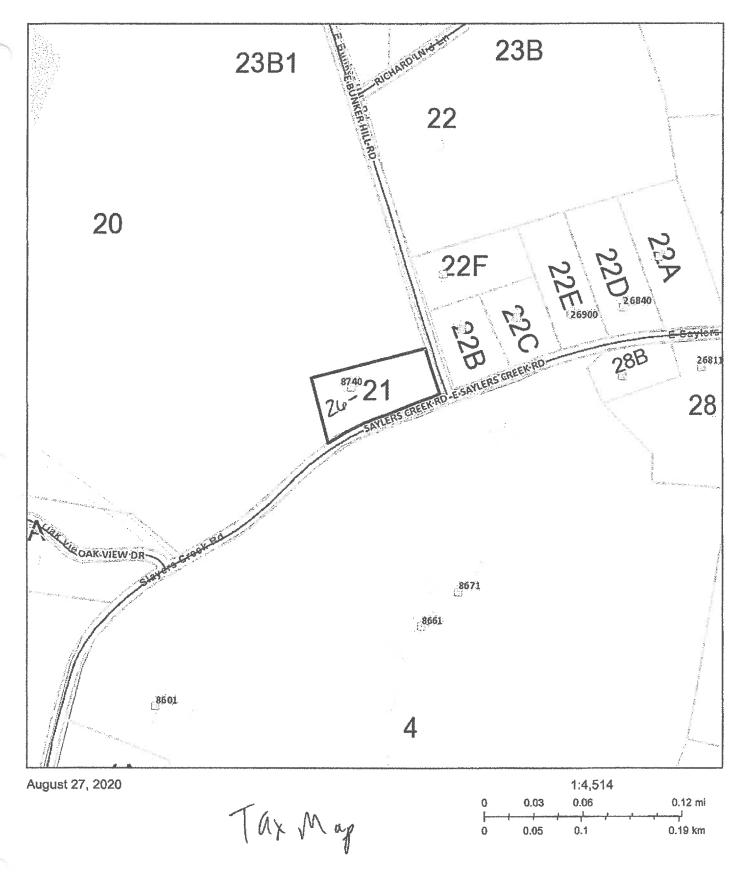
**Current Owner** 

Name: HORNE DONNA W ETAL

Owner Address: N/A

Owner City, St Zip: AMELIA COURT HOUSE V 23002

Parcel ID: 26 21 1 | Page



Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, @ OpenStreetMap contributors, and the GIS User Community

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

# PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

here as "Landowner", and remains in effect until it is the Landowner in the even individual parcels identified	reement is made on	eferred to here as the "Permearty or, with respect to those els, until ownership of all partose parcels for which owner	ittee". This agreement a parcels that are retained by rcels changes. If ownership of rship has changed will no
Landowner: The Landowner is the owner the agricultural, silvicultural as Exhibit A.	er of record of the real property or reclamation sites identified	located in Amelia below in Table 1 and identif	, Virginia, which includes ied on the tax map(s) attached
Table 1.: Parcels au	thorized to receive biosolids, w	rater treatment residuals or	other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
Z4-16A			
	4	The flow should be should	
Additional parcels containing Lan	d Application Sites are identified on S	Supplement A (check if applicable)	
Check one:   Th	e Landowner is the sole owner e Landowner is one of multiple	r of the properties identified a owners of the properties id	herein. Pentified herein
Notify the purchase later than the date of the Permittee.  The Landowner has no other contents of the later than the date of the Permittee.	wner sells or transfers all or pa est date of biosolids application er or transferee of the applicabl of the property transfer; and e of the sale within two weeks er agreements for land applica ately if conditions change such	i, the Landowner shall: le public access and crop m following property transfer. tion on the fields identified be	anagement restrictions no
The Landowner hereby grad agricultural sites identified a inspections on the land ider purpose of determining comparisons.	is agreement becomes invalid into permission to the Permitter above and in Exhibit A. The Lantified above, before, during or appliance with regulatory requires	or the information herein co e to land apply residuals as andowner also grants permis after land application of per ements applicable to such a	specified becomes incorrect specified below, on the ssion for DEQ staff to conduct mitted residuals for the pplication.
			her industrial sludges Yes x No
Limothy Langt Landowner - Printed Name, Title	Signature	21/1/1 20	efersville Va 2308
manner authorized by the VPA	nittee, agrees to apply biosolids a Permit Regulation and in amour oplication field by a person certifie	its not to exceed the rates idea	diffed in the nutrient manner of
The Permittee agrees to notify	the Landowner or the Landowner's	r's designee of the proposed s	chedule for land application and
☐ I reviewed the document(s) this document(s) available to □	assigning signatory authority to to to DEQ for review upon request. (Do	he person signing for landowned not check this box if the landowned	er above. I will make a copy of er signs this agreement)
Bill Burnett Permittee – Authorized Represer	Sill Burnett		tri-Blend, Inc. D. Box 38060
Printed Name	Olganuse		nrico, VA 23231

VIRGINIA POLLUTION ABATEMENT PERMIT APPL	LICATION: PART D-VI LAND APPLICATION AGREEMENT
Permittee: Nutri - Stend	County or City: Amalia
Landowner: Timothy Langford	The only

### Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

#### 2. Public Access

- Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

### 3. Crop Restrictions:

- Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids,
- Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

### 4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial
  residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient
  management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

804-339-2500

Date

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

# Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement - Biosolids and Industrial Residuals form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:Nutri-Blend Inc	
County or City: Amelia	
Please Print	(Signatures not required on this page
Tax Parcel ID(s)	Landowner(s)
71	
26-16A	Timothy Lung ford & Mark Borum
	•

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

### PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

			OSTRIAL RESIDUALS	
the Landowner in the event individual parcels identified	eement is made on 5 - 7 -  Nutri-Blend Inc , recent reminated in writing by either particle of a sale of one or more parce in this agreement changes, the live biosolids or industrial residual.	arry or, with respect to the els, until ownership of all p ose parcels for which own	ose parcels that are retained by parcels changes. If ownership of parcels has changed will be	
Landowner: The Landowner is the owner	of record of the real property	located in Amalia		
Table 1.: Parcels aut	horized to receive biosolids, wa	ater treatment residuals o	or other industrial sludges	
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	
	26-16A			
				_
Additional parcels containing Law	Analization Div.			
Check one: [] The	d Application Sites are identified on Sites Landowner is the sole owner	of the properties identifie	nd herein	£
⊯r ine	E Landowner is one of multiple	owners of the properties	identified herein.	
Notify the purchase later than the date of the later.	rner sells or transfers all or paint of the state of biosolids application, or transferee of the applicable of the property transfer; and of the sale within two weeks for the sale within the within the weeks the sale within the	the Landowner shall: e public access and crop	management restrictions no	
The Landowner has no othe notify the Permittee immedia application or any part of this	r agreements for land applicat ately if conditions change such a agreement becomes invalid	ion on the fields identified that the fields are no lon or the information herein	d herein. The Landowner will ger available to the Permittee for contained becomes incorrect.	
inspections on the land iden purpose of determining com	ulled above, before, during or pliance with regulatory require	ndowner also grants perr	mission for DEQ staff to conduct	
Class B biosolids Wate x Yes □ No □ Yes	r treatment residuals Foo	d processing waste	Other industrial sludges	
MotoK EBon	on Male &	741 - 105	175 East Buller L. U. M. I lailing Address	0.
Landowner - Printed Name, Title	Signature	N	lailing Address	400 U
Permittee:				766
plan prepared for each land ap	plication field by a person certifie	ts not to exceed the rates ic d in accordance with §10.1-	lentified in the nutrient management 104.2 of the Code of Virginia	
The Permittee agrees to notify	the Landowner or the Landowner ar application to the Landowner's	's designed of the proposed	d cobodula for land and tractical and	
☐ I reviewed the document(s) a this document(s) available to D	assigning signatory authority to th EQ for review upon request. (Do	e person signing for landov not check this box if the landov	vner above. I will make a copy of vner signs this agreement)	
Bill Burnett	Bill Bunoth		lutri-Blend, Inc.	
Permittee – Authorized Represen Printed Name	tative Signature		. O. Box 38060 Ienrico, VA 23231	

VIRGINIA POLLUTION ABATEMENT PERMIT APP  Permittee: Nutri - Blend  Landowner: Mack Borum	LICATION: PART D-VI LAND APPLICATION AGREEMENT  County or City: Amelia
andowner Site Management Requirements:	
I, the Landowner, I have received a DEQ Biosolids Fa governing the land application of biosolids, the compo biosolids.	act Sheet that includes information regarding regulations onents of biosolids and proper handling and land application of
I have also been expressly advised by the Permittee trestrictions identified below must be complied with after protect public health, and that I am responsible for the	hat the site management requirements and site access er biosolids have been applied on my property in order to implementation of these practices
I agree to implement the following site management papplication of biosolids at the site:	ractices at each site under my ownership following the land
Notification Signs: I will not remove any signs p     as a biosolids land application site, unless requ	osted by the Permittee for the purpose of identifying my field ested by the Permittee, until at least 30 days after land

#### 2. Public Access

application at that site is completed.

a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.

b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;

c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

#### 3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

### 4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Mule Bu	804-339-2500	5-9-18
Landowner's Signature		Date

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

### Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement - Biosolids and Industrial Residuals form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:Nutri-Blend Inc	
County or City: Amelia	
	•
Please Print	(Signatures not required on this page
Tax Parcel ID(s)	<u>Landowner(s)</u>
26-16A	Timothy Lung ford + Mark Borum
	Timosan Language Film Norum





Amelia County, VA http://www.ameliacova.com

### N/A N/A

#### Parcel Information

Parcel ID: 26 14

Tax Map: 26

Block: N/A

Property Address: N/A

N/A

Deed Book: Deed Page: Account:

Double Circle: N/A

Lot: 14

Description 1:

Description 2:

Description 3:

Description 4:

#### Valuation

Total: \$102,400 Land: \$102,400 Improvements: \$0

Use Value:

#### O)Witership

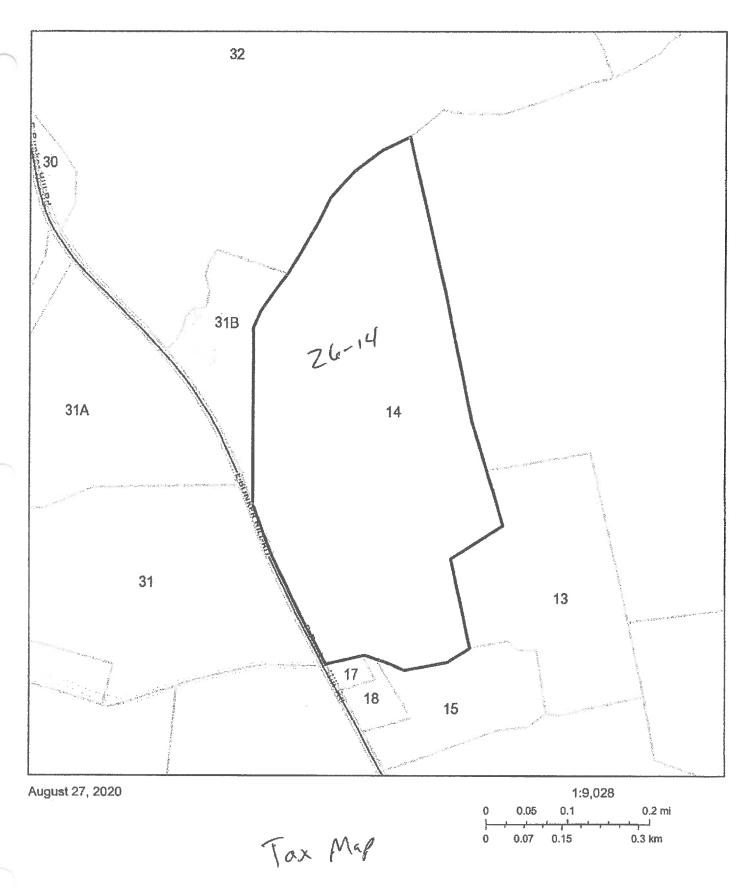
#### **Current Owner**

Name: HORNE DONNA W ETAL

Owner Address: 11840 N LODORE RD

Owner City, St Zip: AMELIA COURT HSE VA 23002

Parcel ID: 26 14



Sources: Esri, HERE, Garmin, FAO, NOAA, USGS,  $\ \, \odot \ \,$  DpenStreetMap contributors, and the GIS User Community



fee'd 20

Amelia County, VA http://www.ameliacova.com

### 9321 E BUNKER HILL RD RICE, VA 23966

### Parcel Information

Parcel ID: 26 16

Tax Map: 26

Block: N/A

Property Address: 9321 E BUNKER HILL RD

RICE, VA 23966

Deed Book: 0239 Deed Page: 743 Account: 5587

Double Circle: N/A

Lot: 16

Description 1: N/A

Description 2: N/A
Description 3: 100.650 AC

Description 4: 2017-2020

#### Valuation

**Total:** \$172,600 **Land:** \$171,600

Improvements: \$1,000 Use Value: \$71,900

### Ownership

#### **Current Owner**

Name: HORNE DONNA W ETAL

Owner Address: 11840 N LODORE RD

Owner City, St Zip: AMELIA COURT HSE VA 23002

Parcel ID: 26 16 1 | Page





Amelia County, VA http://www.ameliacova.com

# 9201 E BUNKER HILL RD RICE, VA 23966

### Pancel Information

Parcel ID: 26 16A

Tax Map: 26

Block: N/A

Property Address: 9201 E BUNKER HILL RD

RICE, VA 23966

Deed Book: 277

Deed Page: 1,651

Account: 2242

Double Circle: N/A

Lot: 16A

Description 1: N/A

Description 2: N/A

Description 3: 2.000 AC

Description 4: N/A

Total: \$69,300 Land: \$18,500

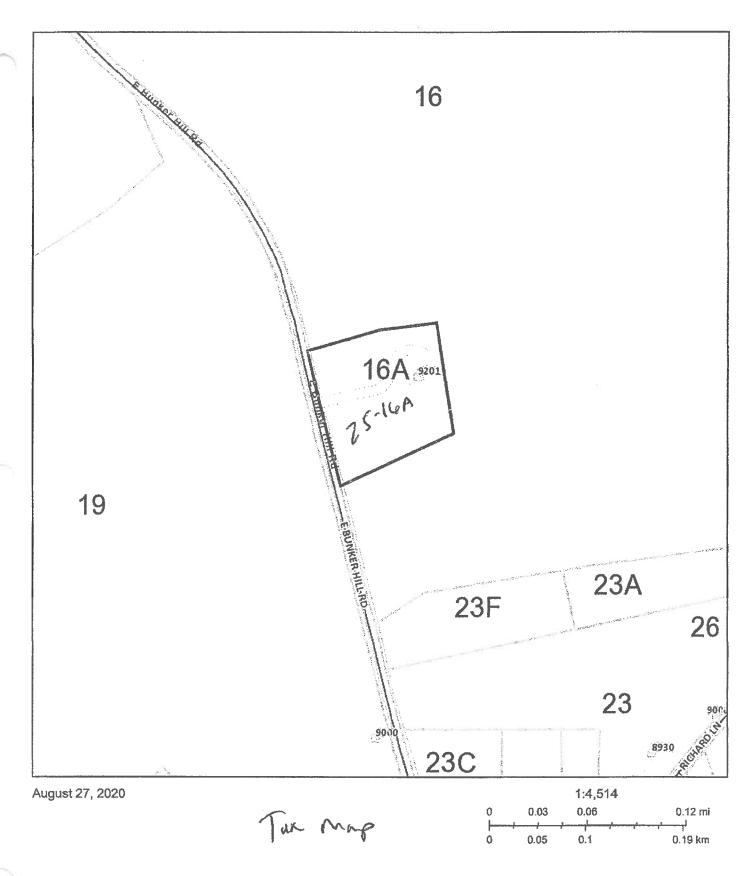
Improvements: \$50,800

Use Value: \$0

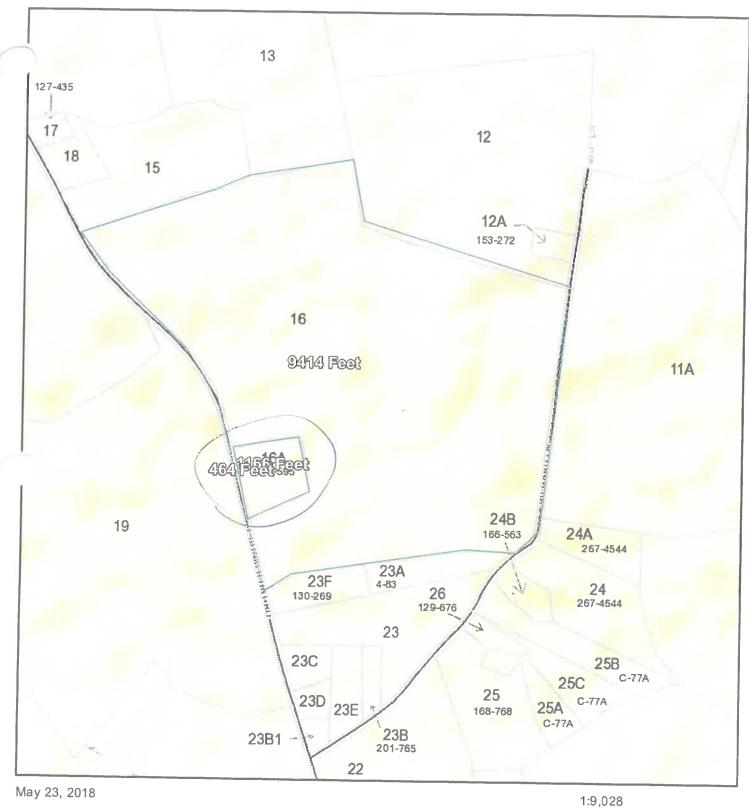
#### ON MERSING

#### **Current Owner**

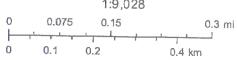
Name: LANGFORD TIMOTHY M ETAL Owner Address: 9201 E BUNKER HILL R Owner City, St Zip: RICE VA 23966



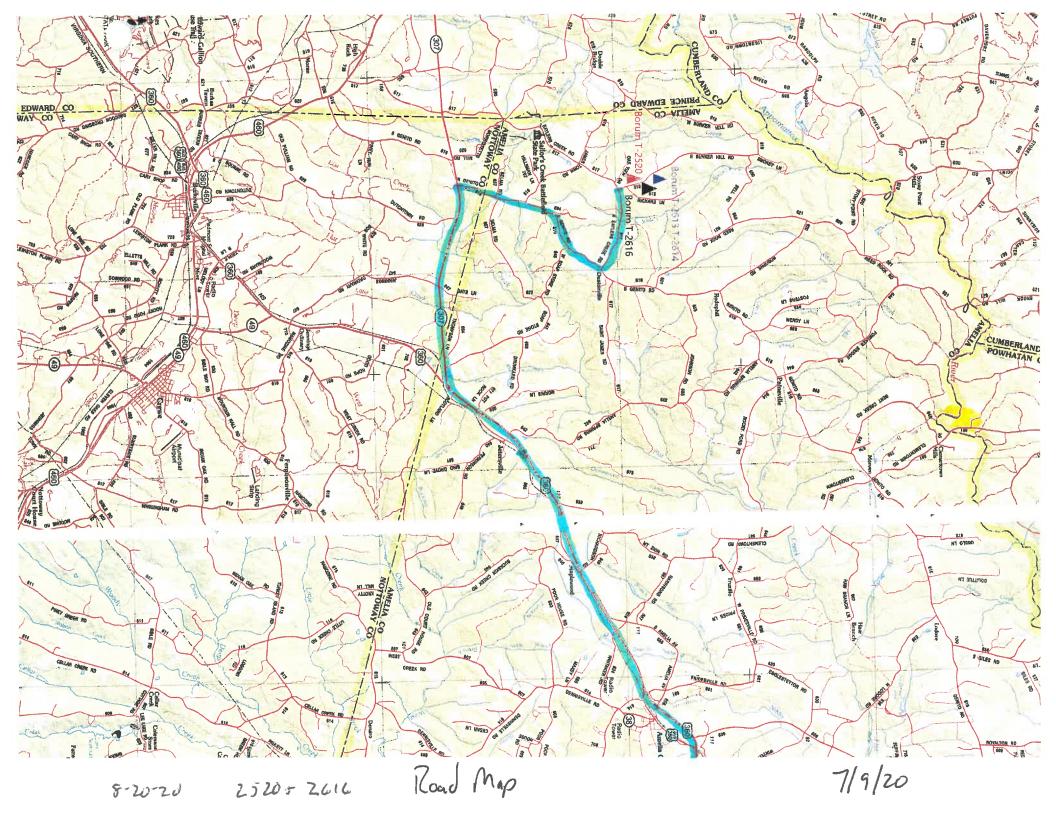
Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

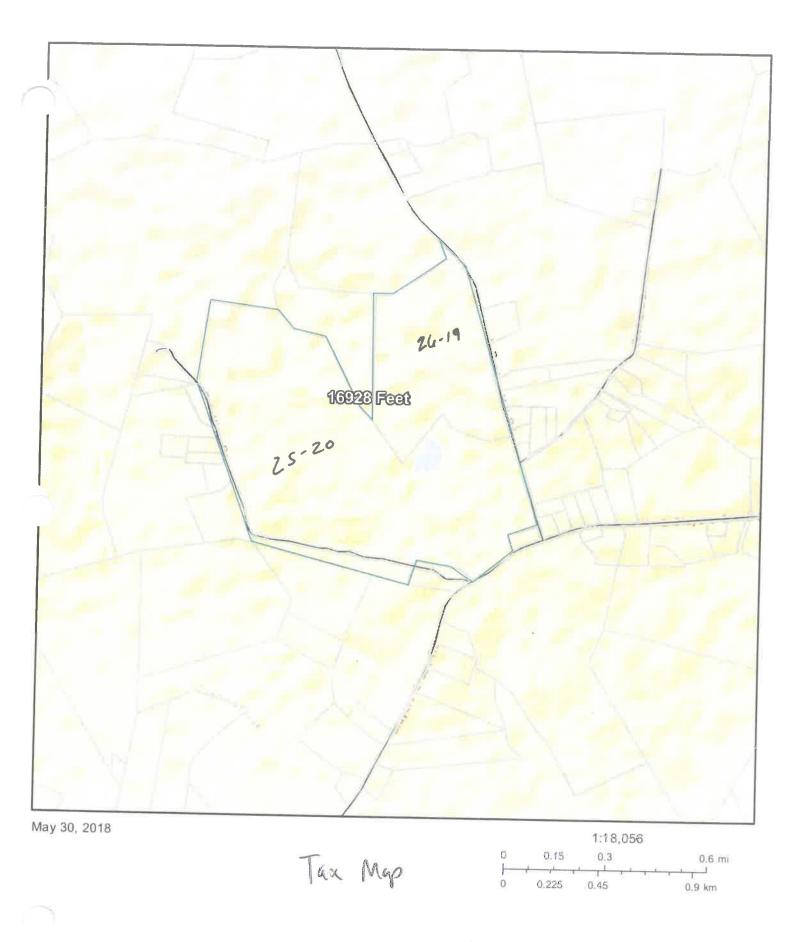


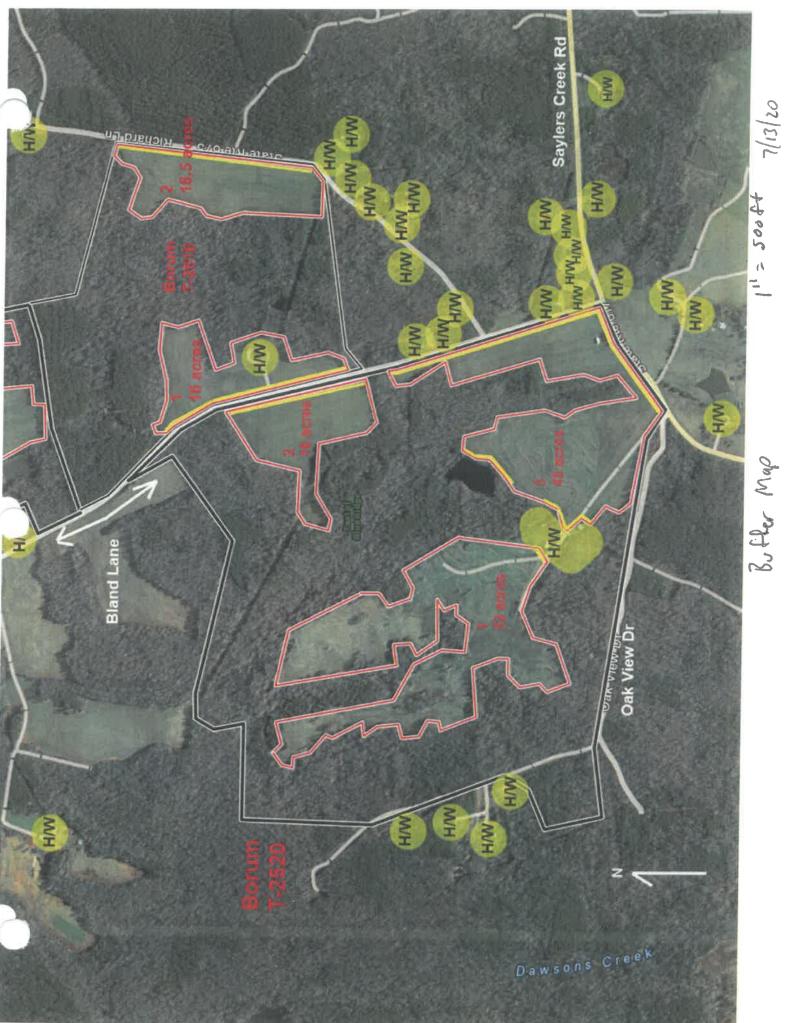
Tax Map
25-16A/ White which we will have a significant to the signific



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan. METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, @ OpenStreetMap contributors, and the GIS User Community

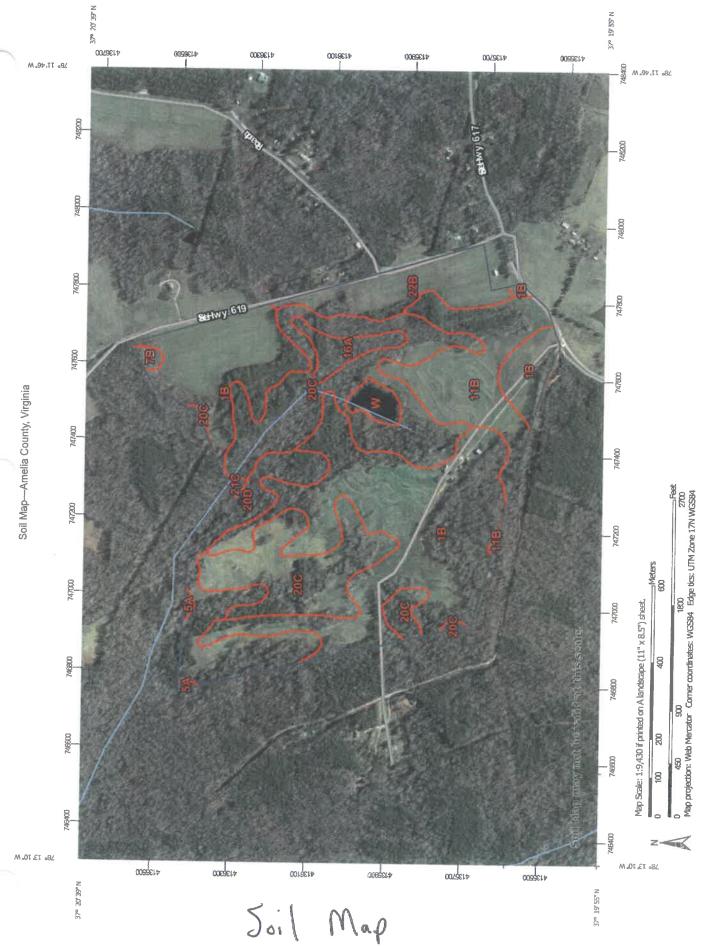






By the Map

2



Web Soil Survey National Cooperative Soil Survey

5/30/2018 Page 1 of 3

Natural Resources Conservation Service

NSDA NSDA

#### MAP LEGEND

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points

#### **Special Point Features**



Blowout



Borrow Pit Clay/Spot



Closed Depression



Gravel Pit



**Gravelly Spot** 



Landfill



Lava Flow



Manshorswamp



Mimeor Quarry



Miscellaneous Water



Rock Outcropp



Saline Spot



Sandy Spot



Sevenely Erodied Spot



Sinkhole



Slidbeor Slip Sodic Spot

Spoil Area



Stony Spot

Wet Spot



Very Stony Spot



Other



Special Line Features

#### Water Features

Streams and Canalis

#### Transporteillon

444



Interstatte Highways



US Routes



Major Roads Local Roads

#### Background



**Aerial Photography** 

#### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5,

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1B	Appling fine sandy loam, 2 to 7 percent slopes	84.3	41.6%
5A	Chewacla silt loam, 0 to 2 percent slopes, frequently flooded	0.6	0.3%
7B	Colfax sandy loam, 2 to 7 percent slopes	0.9	0.4%
118	Helena fine sandy loam, 2 to 7 percent slopes	22.1	10.9%
16A	Partlow fine sandy loam, 0 to 2 percent slopes, rarely flooded	4.2	2.1%
20C	Wedowee sandy loam, 7 to 15 percent slopes	54.3	26.8%
20D	Wedowee sandy loam, 15 to 25 percent slopes	19.2	9.5%
21C	Wedowee-Poindexter complex, 7 to 15 percent slopes	0.5	0.2%
22B	Winnsboro sandy loam, 2 to 7 percent slopes	13.6	6.7%
V	Water	2.7	1.3%
otals for Area of Interest		202.4	100.0%

Web Soil Survey National Cooperative Soil Survey

7/13/2018 Page 1 of 4

Natural Resources Conservation Service

ADS

Natio

#### MAP LEGEND

#### Area of Interest (AOII) Not rated or not available Area of Interest (AOI) **WatterFeatures** Soils Streams and Canals: Soil Rating Polygons Transportation 0 - 25 Rails +++ 25 - 50WA Interstate Highways 50 - 100 US Routes 100 - 150 Major Roads 150 - 200 Local Roads > 200 Background Not rated or not available Aerial Photographw Soil Rating Lines 0 - 2525 - 50 50 - 100 100 - 150 150 - 200> 200 Not rated or not available Soil Rating Points 0 - 25 25 - 5050 - 100 100 - 150 150 - 200 > 200

#### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

### **Depth to Water Table**

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
1B	Appling fine sandy loam, 2 to 7 percent slopes	>200	58.5	44.0%
5A	Chewacla silt loam, 0 to 2 percent slopes, frequently flooded	31	0.3	0.2%
7B	Colfax sandy loam, 2 to 7 percent slopes	31	0.7	0.5%
11B	Helena fine sandy loam, 2 to 7 percent slopes	61	16.5	12.4%
16A	Partlow fine sandy loam, 0 to 2 percent slopes, rarely flooded	15	0.1	0.1%
20C	Wedowee sandy loam, 7 to 15 percent slopes	>200	28.8	21.6%
20D	Wedowee sandy loam, 15 to 25 percent slopes	>200	12.6	9.5%
22B	Winnsboro sandy loam, 2 to 7 percent slopes	>200	15.4	11.6%
2C	Winnsboro sandy loam, 7 to 15 percent slopes	>200	0.0	0.0%
V	Water	>200	0.1	0.1%
otals for Area of Interes	t		133.0	100.0%

### **Description**

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

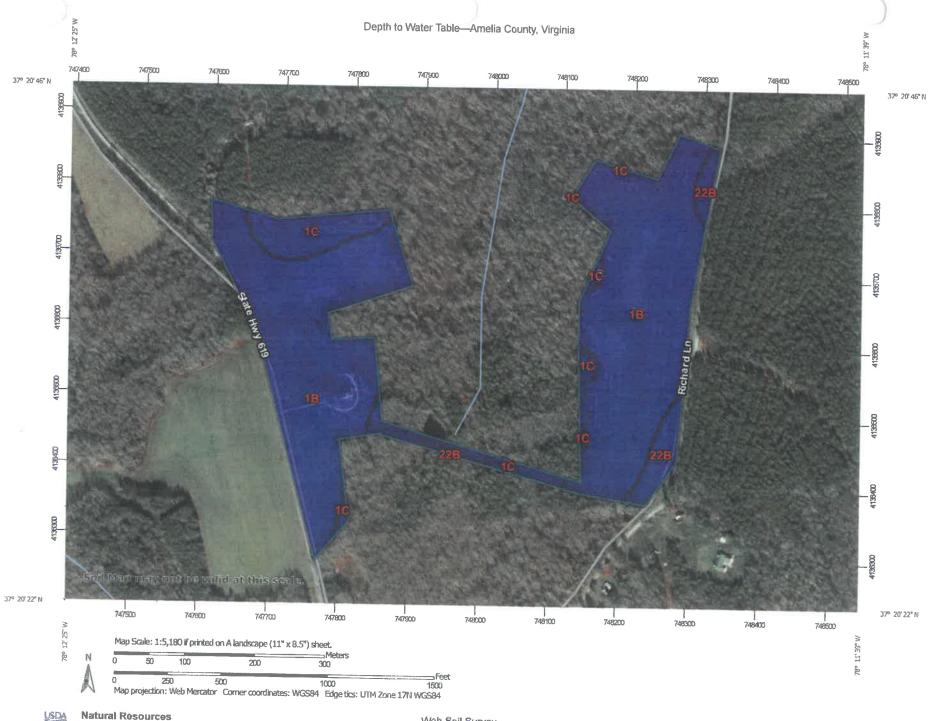
This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

### **Rating Options**

Units of Measure: centimeters

Aggregation Method: Dominant Component Component Percent Cutoff: None Specified





#### MAP LEGEND

#### Area of Interest (AOI) Not rated or not available Area of Interest (AOI) **Water Features** Soils Streams and Canals Soil Rating Polygons Transportation 0 - 25 Rails +++ 25 - 50 Interstate Highways 50 - 100 **US Routes** 100 - 150 Major Roads 150 - 200 Local Roads > 200 **Background** Not rated or not available Aerial Photography Soil Rating Lines 0 - 25 25 - 50 50 - 100 100 - 150 150 - 200> 200 Not rated or not available Soil Rating Points 0 - 25 25 - 5050 - 100 100 - 150 150 - 200 > 200

#### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Depth to Water Table

of AOI
83.6%
11.7%
4.6%

### **Description**

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

### **Rating Options**

Units of Measure: centimeters

Aggregation Method: Dominant Component Component Percent Cutoff: None Specified

Tie-break Rule: Lower Interpret Nulls as Zero: No Beginning Month: January Ending Month: December

### Borum Tract T-2520 Field Data Sheet

Fie	ld	Total	Tract Coordinates		7
		Acres	Latitude	Longitude	Field Type
2520 2520 2520	)-2	52.0 16.0 40.0	37.3357	-78.2078	Agricultural Agricultural Agricultural
SUN		108.0			

<sup>\*</sup>All Latitude/Longitude Points were obtained through Google Earth

### Borum Tract T-2616 Field Data Sheet

Field	Total	Tract C	Coordinates	1
	Acres	Latitude	Longitude	Field Type
2616-1 2616-2	16.0 16.5	37.3435	-78.2006	Agricultural Agricultural Agricultural
SUM	32.5			

\*All Latitude/Longitude Points were obtained through Google Earth

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT	- BIOSOLIDS AND INDUSTRIAL RESIDUAL	c
---------------------------------------	-------------------------------------	---

remains in effect until it is the Landowner in the event	erminated in writing by eithet of a sale of one or more part in this agreement changes	referred to here as the "Per party or, with respect to the color, until ownership of all those parcels for which or	referred to ermittee". This agreement hose parcels that are retained by I parcels changes. If ownership of wnership has changed will no eent.
The Landowner is the owner	er of record of the real prope or reclamation sites identifi	erty located in Amelica ed below in Table 1 and id	, Virginia, which includes entified on the tax map(s) attached
Table 1.: Parcels au	thorized to receive biosolids	, water treatment residuals	or other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
25-37	A A CONTRACT OF THE RESEARCH O		
	4 10 10 10 10 10 10 10 10 10 10 10 10 10		
25-36			
	W W W at 16 to 16	The state of the s	
☐ Additional parcels containing Lan	d Application Sites are identified a	- 0	
Check one:	e Landowner is the sole own a Landowner is one of multi	ner of the properties identif	ied herein
1. Notify the purchase later than the date of	si uale di biosolos annicari	on, the Landowner shall: able public access and cro	ch biosolids have been applied p management restrictions no er.
month me remittee illimedit	ately if conditions change st	ich that the fields are no lo	ed herein. The Landowner will Inger available to the Permittee for In contained becomes incorrect.
The Landowner hereby grar agricultural sites identified a inspections on the land iden purpose of determining com	nts permission to the Permit bove and in Exhibit A. The tified above, before, during pliance with regulatory requ	tee to land apply residuals Landowner also grants pe or after land application of	as specified below, on the
Class B biosolids Wate x Yes □ No □ Ye	r treatment residuals F	ood processing waste	Other industrial sludges
× 100 110 116	s x No	Yes x No	☐ Yes x No
Landowner - Printed Name, Title POA Cor Nellie & Permittee:		Bu-	10475 ENST Bushlow 1/12/ Mailing Address Rice UA 23:
_Nutri-Blend Inc, the Perm manner authorized by the VPA plan prepared for each land ap	plication field by a person certi	unts not to exceed the rates in field in accordance with \$10.	dentified in the nutrient management
specifically prior to any particular applied.	the Landowner or the Landowner ar application to the Landowner	ner's designee of the propose or's land. Notice shall include	ed schedule for land application and the source of residuals to be
☐ I reviewed the document(s) a this document(s) available to D	assigning signatory authority to EQ for review upon request. ([	the person signing for lando Oo not check this box if the lando	wner above. I will make a copy of wner signs this agreement)
Bill Burnett	Biog Russ H		Nutri-Blend, Inc.
Permittee - Authorized Represent	tative Signature	V	P. O. Box 38060
Printed Name			Henrico, VA 23231

	VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT
	Permittee: Nutri-Blend County or City: Amelia
1	Landowner: Harvey Borum Pon for Nellie borum Estate
	Landowner Site Management Requirements:
	I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.
	I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

#### 2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

#### 3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

### 4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

804-339-2500

5-7-13

Date

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

# Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement - Biosolids and Industrial Residuals form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:Nutri-Blend Inc	
County or City: Amelia	
Please Print	
Tax Parcel ID(s)	(Signatures not required on this page
Tax Farcer ID(s)	<u>Landowner(s)</u>
75-37	1-11
SS-34	Julie Dorum Esterte
23-36	Nellie Borum Estate Nellie Borum Estate

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

# PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

remains in effect until it is to the Landowner in the event individual parcels identified	eement is made on 5 - 9.  Nutri-Blend Inc , recomminated in writing by either proof a sale of one or more parce in this agreement changes, the live biosolids or industrial residence.	party or, with respect to those els, until ownership of all pare	tee". This agreement parcels that are retained by
Landowner: The Landowner is the owner	er of record of the real property	Vocated in Amalia	, Virginia, which includes ed on the tax map(s) attached
Table 1.: Parcels aut	horized to receive biosolids, w	vater treatment residuals or o	ther industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
ZS- 36A			
Additional parcels containing Land	d Application Sites are identified on S	Supplement A (check if applicable)	
Check one:	e Landowner is the sole owne e Landowner is one of multiple	r of the properties identified b	erein. entified herein.
Notify the purchase later than the date of the Permittee  The Landowner has no other notify the Permittee immediate.	vner sells or transfers all or past date of biosolids application or transferee of the applicability of the property transfer; and of the sale within two weeks ar agreements for land applicately if conditions change such	i, the Landowner shall: le public access and crop ma following property transfer. tion on the fields identified he	erein. The Landowner will
The Landowner hereby gran agricultural sites identified a inspections on the land iden purpose of determining com  Class B biosolids  X Yes	its permission to the Permitter bove and in Exhibit A. The Latified above, before, during or pliance with regulatory required treatment residuals.	e to land apply residuals as sandowner also grants permiss after land application of permements applicable to such applicable t	pecified below, on the sion for DEQ staff to conduct nitted residuals for the plication.  er industrial sludges
Permittee:	0-1	77 7 67 00	•
_Nutri-Blend Inc, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.			
specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.			
☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)			
Bill Burnett	Bill Burnoth	Nutr	i-Blend, Inc.
Permittee - Authorized Represent Printed Name	ative Signature	P. O.	Box 38060 ico, VA 23231

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT  Permittee:
Landowner Site Management Requirements:
I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.
I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

#### 2. Public Access

- Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

#### 3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

### 4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial
  residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient
  management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Mult Ish. 5-9-18

Landowner's Signature Date

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

# Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement - Biosolids and Industrial Residuals form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels. Permittee: \_\_\_\_Nutri-Blend Inc.\_\_\_\_ County or City: Amelia Please Print (Signatures not required on this page Tax Parcel ID(s) Landowner(s) 25-36A Mark Boron Etva

fec'd - 20

Amelia County, VA http://www.ameliacova.com

# 10631 E BUNKER HILL RD RICE, VA 23966

# Parcel Information

Parcel ID: 25 36

Tax Map: 25

Block: N/A

Property Address: 10631 E BUNKER HILL RD

RICE, VA 23966

Deed Book: N/A

Deed Page: 0

Account: 3874

Double Circle: N/A

Lot: 36

Description 1: PARCELA

Description 2: N/A

Description 3: 5.330 AC

Description 4: N/A

Total: \$100,600 Land: \$23,200

Improvements: \$77,400

Use Value: \$0

### Ownership

#### **Current Owner**

Name: BORUM NELLIE C ESTATE Owner Address: 10541 E BUNKER HILL Owner City, St Zip: RICE VA 23966

Parcel ID: 25 36 1 | Page





# 10475 E BUNKER HILL RD RICE, VA 23966

# Parcel Information

Parcel ID: 25 37A

Tax Map: 25

Block: N/A

Property Address: 10475 E BUNKER HILL RD

RICE, VA 23966

Deed Book: 0202

Deed Page: 825

Account: 2013

Double Circle: N/A

Lot: 37A

Description 1: N/A

Description 2: N/A

Description 3: 19.052 AC

Description 4: N/A

#### Valuation

**Total:** \$444,700 **Land:** \$48,400

Improvements: \$396,300

Use Value: \$0

### Ownership

#### Current Owner

Name: BORUM MARK E ETUX

Owner Address: 10475 E BUNKER HILL Owner City, St Zip: RICE VA 23966

Parcel ID: 25 37A





# 10541 E BUNKER HILL RD RICE, VA 23966

## Parcel Information

Parcel ID: 25 36A

Tax Map: 25

Block: N/A

Property Address: 10541 E BUNKER HILL RD

RICE, VA 23966

Deed Book: 278

Deed Page: 6,815

Account: 587

Double Circle: N/A

Lot: 36A

Description 1: PARCEL B

Description 2: N/A

Description 3: 40.170 AC

Description 4: N/A

#### Valuation

**Total:** \$56,300 **Land:** \$56,200

Improvements: \$100

Use Value: \$0

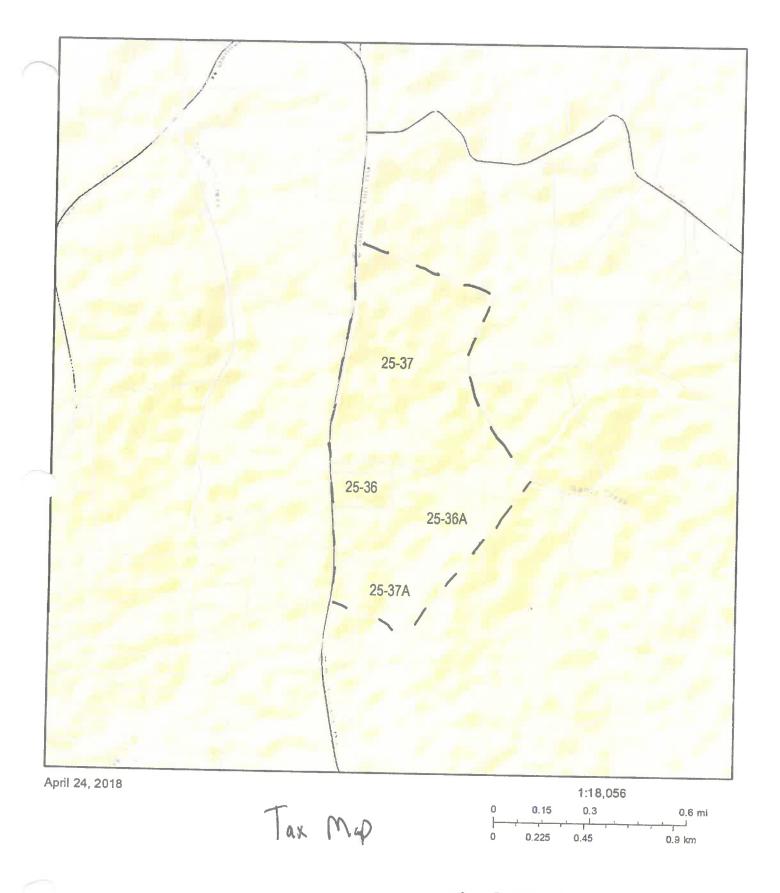
### Ownership

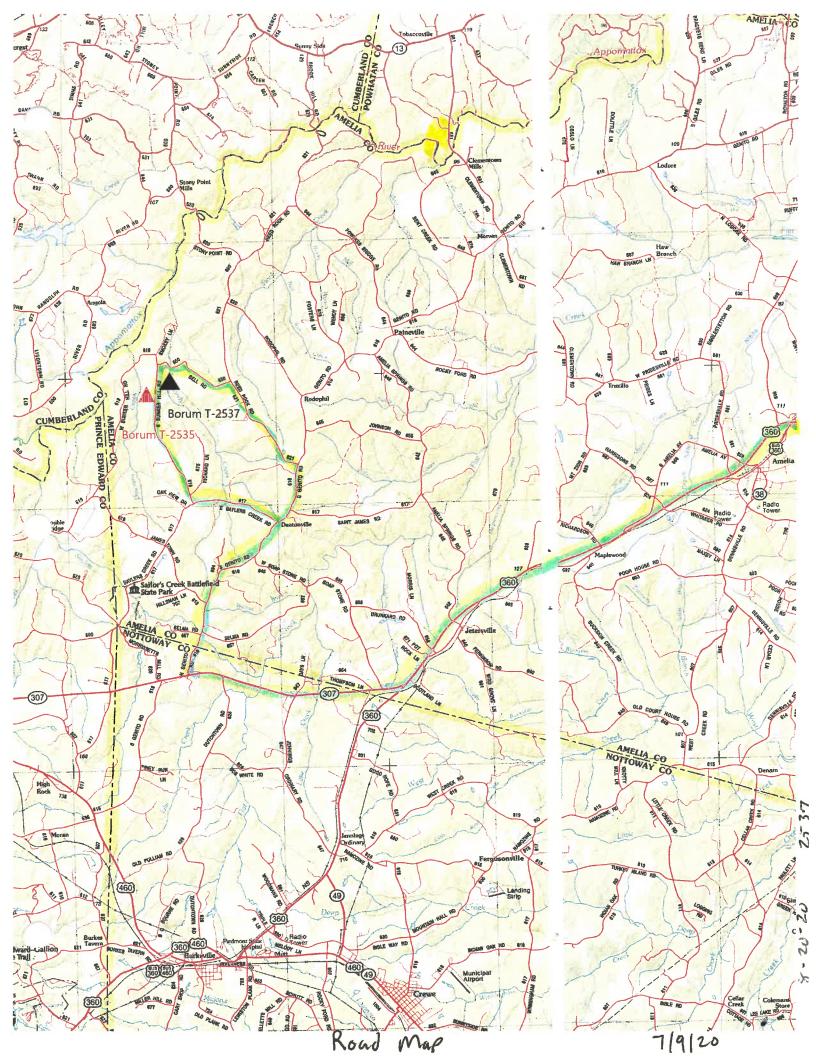
#### **Current Owner**

Name: BORUM MARK E ETUX

Owner Address: 10475 E BUNKER HILL Owner City, St Zip: RICE VA 23966

Parcel ID: 25 36A









#### MAP LEGEND

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points

#### **Special Point Features**

(9)

Blowout Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



**Gravelly Spot** 



Landfill Lava Flow



Marsh or swamp



Mine or Quarry Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip Sodic Spot



Spoil Area Stony Spot



Very Stony Spot



Wet Spot



Special Line Features

#### Water Features

Streams and Canals

#### Transportation

4-9-4 «AA

Interstate Highways



**US** Routes



Majjor Roads

Local Roads

#### Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

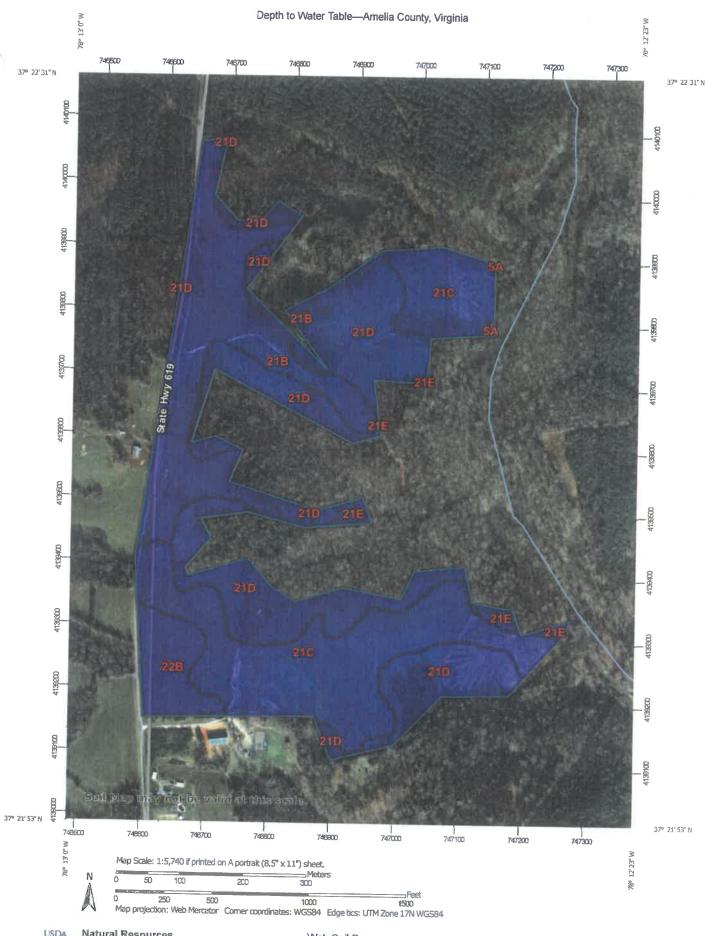
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
5A	Chewacia silt loam, 0 to 2 percent slopes, frequently flooded	0.0	0.0%
21B	Wedowee-Poindexter complex, 2 to 7 percent slopes	14.5	22.8%
21C	Wedowee-Poindexter complex, 7 to 15 percent slopes	21.1	33.1%
21D	Wedowee-Poindexter complex, 15 to 25 percent slopes	23.3	36.5%
21E	Wedowee-Poindexter complex, 25 to 40 percent slopes	1.0	1.5%
22B	Winnsboro sandy loam, 2 to 7 percent slopes	3.8	6.0%
otals for Area of Interest		63.8	



### MAP LEGEND

#### Area of Interest (AOI) Not rated or not available Area of Interest (AOI) **Water Features** Soils Streams and Canals Soil Rating Polygons Transportation 0 - 25 Rails +++ 25 - 50Interstate Highways 50 - 100 **US Routes** 100 - 150 Major Roads 150 - 200 Local Roads > 200 Background Not rated or not available Aerial Photography **Soil Rating Lines** 0 - 25 25 - 5050 - 100 100 - 150 150 - 200 > 200 Not rated or not available Soil Rating Points 0 - 2525 - 50 50 - 100 100 - 150 150 - 200 > 200

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# **Depth to Water Table**

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
5A	Chewacla silt loam, 0 to 2 percent slopes, frequently flooded	31	0.1	0.1%
21B	Wedowee-Poindexter complex, 2 to 7 percent slopes	>200	16.1	23.1%
21C	Wedowee-Poindexter complex, 7 to 15 percent slopes	>200	22.5	32.3%
21D	Wedowee-Poindexter complex, 15 to 25 percent slopes	>200	25.9	37.2%
21E	Wedowee-Poindexter complex, 25 to 40 percent slopes	>200	1.1	1.6%
22B	Winnsboro sandy loam, 2 to 7 percent slopes	>200	4.0	5.7%
Totals for Area of Intere	est		69.7	100.0%

# Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

# **Rating Options**

Units of Measure: centimeters

Aggregation Method: Dominant Component Component Percent Cutoff: None Specified

Tie-break Rule: Lower Interpret Nulls as Zero: No Beginning Month: January Ending Month: December

# Borum Tract T-2537 Field Data Sheet

Field	Total	Tract Coordinates		٦
	Acres	Latitude	Longitude	Field Type
2537-1	63.0	37.3671	-78.2122	Agricultural
01111				
SUM	63.0			

\*All Latitude/Longitude Points were obtained through Google Earth

# 2613

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

# PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application ag	reement is made on 5/9	110	Hephen Lane Etul Etals		
here as "Landowner", and Nutri-Blend Inc referred to here as the "Permittee". This agreement the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.					
Landowner: The Landowner is the own	er of record of the real prope	stylanatadia Augali	C. Virginia, which includes dentified on the tax map(s) attached		
Table 1.: Parcels au	thorized to receive biosolids,	water treatment residua	is or other industrial sludges		
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID		
26-13					
26 - 15	Intelligence of the second sec				
<u> </u>					
	And the first of a first management of the second s				
Additional parcels containing Lan	d Application Sites are identified on	Supplement A (check if applie	Pahlo)		
Check one:	E Landowner is the sole own	er of the properties ident	ified beauty		
In the event that the Landov within 38 months of the late  1. Notify the purchase later than the date of	The Landowner is one of multiple owners of the properties identified herein.  In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:  1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and  2. Notify the Permittee of the sale within two weeks following property transfer.				
The Landowner has no other notify the Permittee immedia application or any part of this	The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.				
purpose of determining com	tified above, before, during options with regulatory required	andowner also grants per after land application of rements applicable to su	ermission for DEQ staff to conduct for the changing for t		
Class B biosolids Wate x Yes □ No □ Yes	r treatment residuals Fo	yes x No	Other industrial sludges ☐ Yes x No		
Stephen M. Lane	Smith	11201 Clara Barton	Dr Fairfax Station VA 22039		
Landowner - Printed Name, Title	Signature		Mailing Address		
Permittee: _Nutri-Blend Inc, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.					
The Permittee agrees to notify a specifically prior to any particular applied.	De Landowner or the Landowns	are decianos etibe			
☐ I reviewed the document(s) a this document(s) available to DI	ssigning signatory authority to a EQ for review upon request. (Do	the person signing for land o not check this box if the land	owner above. I will make a copy of owner signs this agreement)		
Bill Burnett	Rio R. H		Nutri-Blend, Inc.		
Permittee - Authorized Represent	ative Signature		P. O. Box 38060		
Deinted Many		Henrico, VA 23231			

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT  Permittee: Nutri - Blend County or City: Amelia  Landowner: Stephen have Etal Etals
Landowner Site Management Requirements:
I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.
I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to

protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

#### 2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols:
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

#### 3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

# 4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days.
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Sm-h	804-339-2500	April 2, 2018	
Landowner's Signature			
		Date	

# Landowner Coordination Form

Rev 9/14/2012

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement - Biosolids and Industrial Residuals form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:Nutri-Blend Inc	
County or City: Amelia	
Please Print	
Tax Parcel ID(s)	(Signatures not required on this page
Tax Farcer ID(s)	<u>Landowner(s)</u>
26-13	Stephen Lane Etux Etulr
26-15	Lane ETUX Etall

Page \_\_\_of\_\_





Rec'd 30 30

Amelia County, VA http://www.ameliacova.com

# 9000 E BUNKER HILL RD RICE, VA 23966

# Parcel Information

Parcel ID: 26 19

Tax Map: 26

Block: N/A

Property Address: 9000 E BUNKER HILL RD

RICE, VA 23966

Deed Book: 0239

Deed Page: 743

Account: 4489

Double Circle: N/A

Lot: 19

Description 1: N/A

Description 2: N/A

Description 3: 84.000 AC

Description 4: N/A

## Valuation

**Total:** \$153,900 **Land:** \$153,900

Improvements: \$0 Use Value: \$0

# Ownership

#### **Current Owner**

Name: HORNE DONNA W ETAL

Owner Address: 11840 N LODORE RD

Owner City, St Zip: AMELIA COURT HSE VA 23002

Parcel ID: 26 19



AUG 2 0 2020 @

Amelia County, VA

Garagional Garage Regional

# N/A N/A

# Parcel Information

Parcel ID: 25 20
Tax Map: 25

Block: N/A

Property Address: N/A

N/A

Deed Book: N/A Deed Page: 0 Account: 6639

Double Circle: N/A

Lot: 20

Description 1: N/A

Description 2: N/A

Description 3: 195,250 AC

**Description 4: 2017-2020** 

#### Valuation

**Total:** \$421,000 **Land:** \$345,600

**Improvements:** \$75,400 **Use Value:** \$156,900

# Ownership

#### **Current Owner**

Name: HORNE DONNA W ETAL

Owner Address: N/A

Owner City, St Zip: AMELIA COURT HOUSE V 23002

Parcel ID: 25 20 1 | Page

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

# PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 5-2-18 between Done D Here referred to here as "Landowner", and Nutri-Blend Inc., referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.					
Landowner: The Landowner is the owner of record of the real property located in, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.					
Table 1.: Parcels au	thorized to receive biosolids, v	water treatment residuals or o	other industrial sludges		
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID		
71 111	3/				
26-14	24-16				
26-19					
24 11					
Additional parcels containing Lan	d Application Sites are identified on a	Supplement A (Electrical Street Street)			
Check one:	e Landowner is the sole owne e Landowner is one of multiple	of the properties identified t	nerein.		
Notify the purchase later than the date of the later than the date of the later than the date of the landowner has no other than the landowner has no other later than the l	In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:  1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and  2. Notify the Permittee of the sale within two weeks following property transfer.  The Landowner has no other agreements for land application on the fields identified herein. The Landowner will				
application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.					
The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.  Class B biosolids  Water treatment residuals  Food processing waste  Other industrial sludges					
Tonnaw Horne  Landowner - Printed Name, Title  Tyes x No  Yes x No  Yes x No  Yes x No  1840 N. Lachre RD Amelia, UA 3300)  Mailing Address					
Permittee:Nutri-Blend Inc, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.					
The Permittee agrees to notify	the Landowner or the Landowne ar application to the Landowner's	r's designed of the proposed an	made la Randa and a control of		
☐ I reviewed the document(s) a this document(s) available to D	assigning signatory authority to tl EQ for review upon request. (Do	ne person signing for landowner not check this box if the landowner	above. I will make a copy of signs this agreement)		
Bill Burnett	Rio R. H	Nutr	i-Blend, Inc.		
Permittee - Authorized Represent	tative Signature		Box 38060		
Printed Name					

Permittee: Note: - Blend Landowner: Donne H. Horne	PPLICATION: PART D-VI LAND APPLICATION AGREEMENT  County or City: Amelia
Landowner Site Management Requirements:	
I, the Landowner, I have received a DEQ Biosolids governing the land application of biosolids, the combined lide.	Fact Sheet that includes information regarding regulations ponents of biosolids and proper handling and land application of

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

### 2. Public Access

biosolids.

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

#### 3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

### 4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature	8.4-339-2500	5-2-18
Landowner's Signature		Date

Rev 9/14/2012

# **Landowner Coordination Form**

Nutri-Rland Inc

Permittee:

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement - Biosolids and Industrial Residuals form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

County or City: Amelia	
Please Print	(Signatures not required on this page
Tax Parcel ID(s)	Landowner(s)
26-14	No. 1 1 2 1 0.
25-20	Donna W Horne / Pamela Piper
26-19	
26-16	
24 14	1,

Rev 9/14/2012

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS					
A. This land application agreement is made on					
Landowner: The Landowner is the own	er of record of the real money	tolandia Andi			
Table 1.: Parcels au	thorized to receive biosolids,	water treatment residual	s or other industrial sludges		
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID		
24-14			TEXT BICETIO		
	24-14				
25-20					
C.C. 11					
Additional parcels containing Lan	Application Cities are identify a				
☐ Additional parcels containing Land Check one: ☐ The					
	e Landowner is the sole owner e Landowner is one of multipl	er of the properties identi	fied herein.		
in the event that the Landou	mer sells or transform all or n	made and the account of the con-	ch biosolids have been applied		
i Houry trie purchase	f Of Ifansteree of the analical	ole public access and cro	pp management restrictions no		
	f the property transfer; and of the sale within two weeks				
The Landowner has no other	ragreements for load and	tollowing property transi	er,		
	The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invelid and to infer the infer				
appropriate any part of the	s agreement pecomes mysilo	i or the information herei	n contained becomes incorrect		
The Landowner hereby gran	ts permission to the Permitte	e to land analy residual			
purpose of determining comp Class B biosolids Water	treatment residuals Fo	ements applicable to suc			
x Yes □ No □ Yes		od processing waste Yes x No /	Other industrial sludges		
	· // .	res X No.	□ Yes x No		
Tameta W PIP	er la	1///	11840 N. ( whose P.C		
Landowner - Printed Name, Title	Signature	4//	Mailing Address		
Permittee:		0/	Amelia 23002		
Nutri-Blend Inc the Permi	ittee acrees to apply biggelide	andinalist section			
Nutri-Blend Inc, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person continued in accordance will also the nutrient management.					
The state of the s					
The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and applied.  Notice shall include the source of residuals to be					
☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of					
this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)					
Bill Burnett	Rio R. H		Nutri-Blend, Inc.		
Permittee - Authorized Representa	itive Signature		P. O. Box 38060		
Printed Name			Henrico, VA 23231		
			·		

	Per	GINIA F mittee:	Note: - Blend	PLICATION: PART D	VI LAND APPLICATION AGREEMENT			
	Lan	downe	Notri-Blend r: Panela Piper	- County of City	7			
	Lan	downe	r Site Management Requirements:					
	gove	e Lando erning tholids.	wner, I have received a DEQ Biosolids F ne land application of biosolids, the comp	Fact Sheet that include conents of biosolids an	s information regarding regulations of proper handling and land application of			
	1000	tonolla l	been expressly advised by the Permittee identified below must be complied with a ic health, and that I am responsible for th	tter hinenlide have hed	in applied on mix need at the control			
	I agr	ee to in	plement the following site management of biosolids at the site:					
	1.	<ol> <li>Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.</li> </ol>						
	2.		Access Public access to land with a high notes	atial for muhiis assessment				
			Public access to land with a high poter following any application of biosolids.		•			
			exposure to soil, dusts or aerosols:	No biosolids amended unless adequate prov	soil shall be excavated or removed fron visions are made to prevent public			
		C.	Turf grown on land where biosolids are biosolids when the harvested turf is pla lawn, unless otherwise specified by DE	iced on either land wit	parvested for one year after application on a high potential for public exposure or a			
	3.	Crop R	Restrictions:	analista de la companione				
		-	surface shall not be harvested for 14 m	ionths atter the annlica	ation of biosolide			
		b.	Food crops with harvested parts below after the application of biosolids when t four (4) or more months prior to incorporate the control of t	the surface of the land the biosolids remain or	d shall not be harvested for 20 marks			
		C.	Food crops with harvested parts below when the biosolids remain on the land incorporation.	the surface of the land	d shall not be harvested for 38 months od of less than four (4) months prior to			
		d. e.	Other food crops and fiber crops shall i	not be harvested for 30 0 days after the applic	days after the application of biosolids; ation of biosolids (60 days if fed to			

application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- 6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0,45 pounds/acre (0.5 kilograms/hectare).

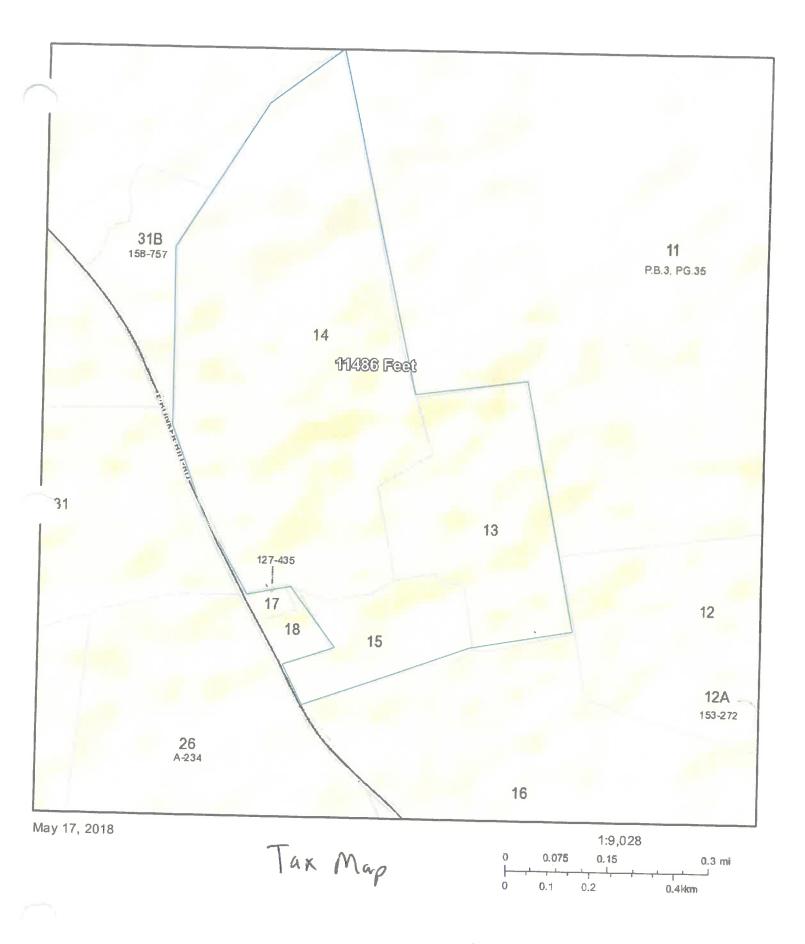
Rev 9/14/2012

# Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement - Biosolids and Industrial Residuals form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Please Print  Tax Parcel ID(s)  Landowner(s)   24-14  Donna Horne   Pamela Piper  25-20  The 19  The 16  The 1	Nutri-Blend Inc	_		
Tax Parcel ID(s)  Landowner(s)  26-14  Donna Horne / Panela Piper  25-20  n  26-19  n			(Signature	S not required on this page
25-20 n n n n	Parcel ID(s)			
25-20 n n n n				
25-20 n n n n	14	Donna Horne	1 Punela	Piper
26-19 n	20	n	7	
	19	И	ч	
		ě,	n	
			9	

Rev 9/14/2012





Rec'd 20-20

Account: 643

Double Circle: N/A

# N/A N/A

### Parcel Information

Parcel ID: 26 13

Tax Map: 26

Block: N/A Lot: 13

Property Address: N/A Description 1: N/A
N/A Description 2: N/A

Deed Book: N/A Description 3: 43.240 AC

Deed Page: 0 Description 4: N/A

# Valuation

Total: \$86,900 Land: \$86,900 Improvements: \$0 Use Value: \$0

# Ownership

#### **Current Owner**

Name: LANE STEPHEN M ETUX ETALS
Owner Address: 9521 E BUNKER HILL R
Owner City, St Zip: RICE VA 23966

Parcel ID: 26 13 1 | Page





Pec 8-20-20

# N/A N/A

# Parcel Information

Parcel ID: 26 15 Tax Map: 26

Block: N/A

Property Address: N/A

N/A

Deed Book: N/A
Deed Page: 0

Account: 7060

Double Circle: N/A

Lot: 15

Description 1: COMBINED 26-13

Description 2: N/A
Description 3: N/A
Description 4: N/A

### Valuation

Total: N/A Land: \$0

Improvements: \$0
Use Value: \$0

# Ownership

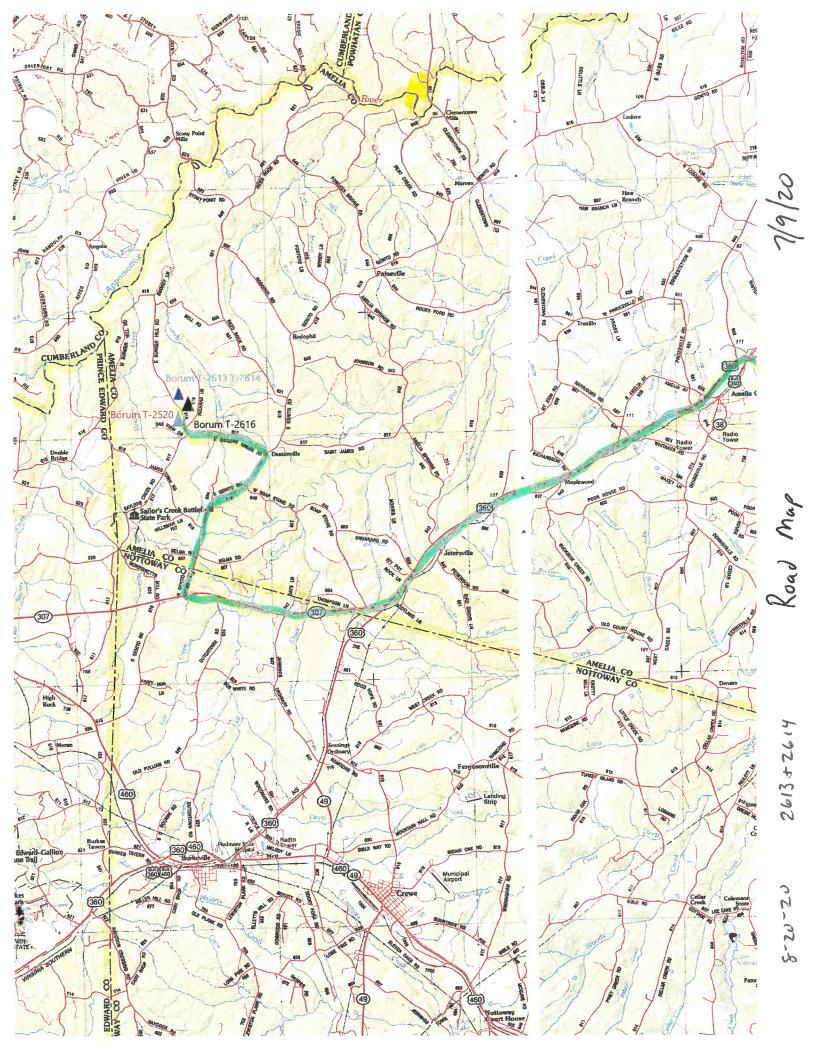
#### **Current Owner**

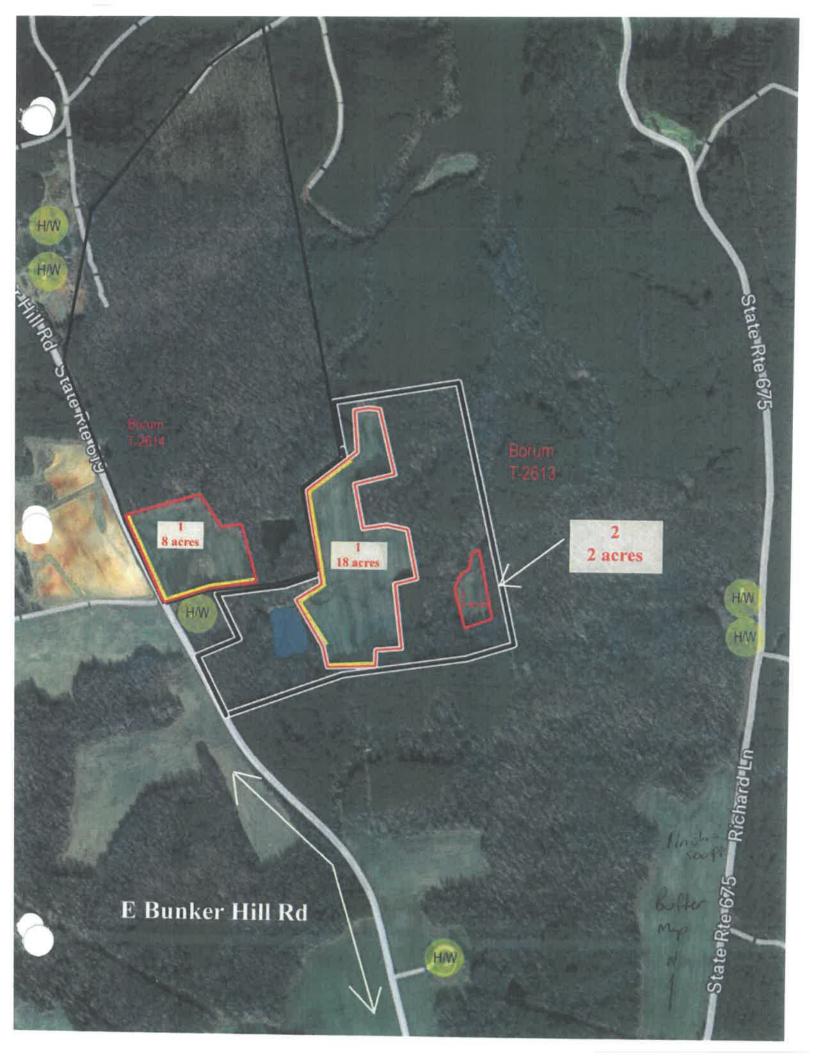
Name: LANE STEPHEN M ETUX ETALS

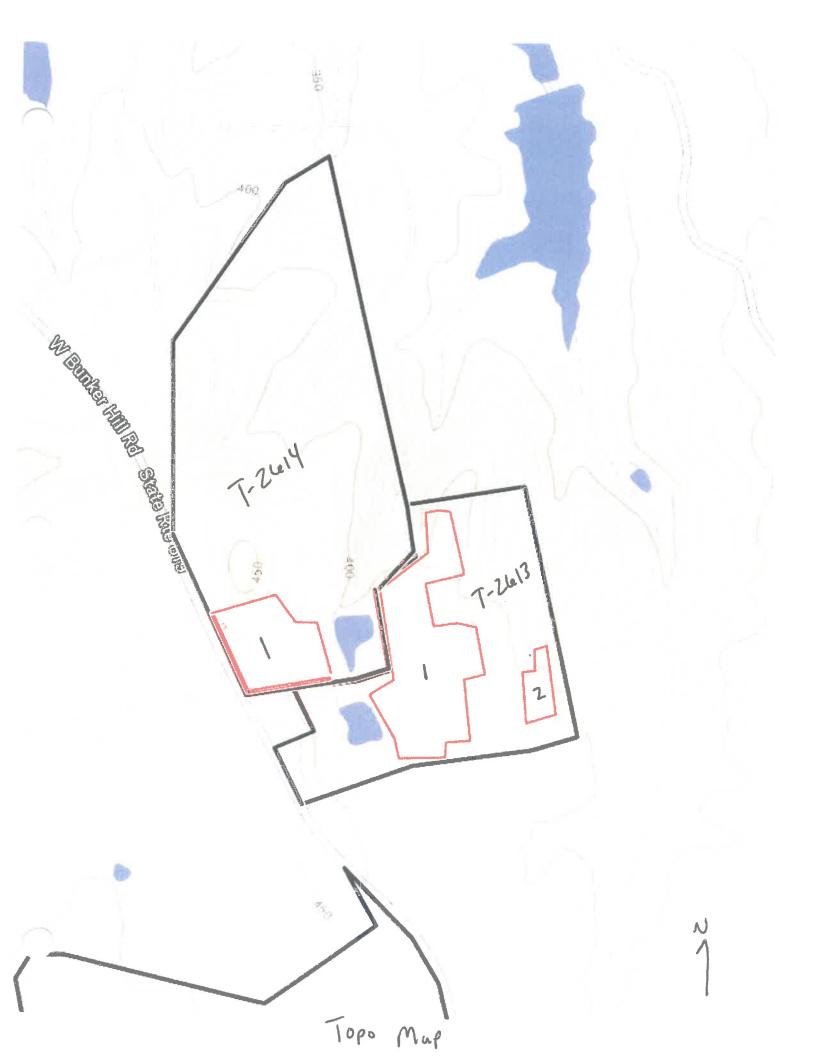
Owner Address: N/A

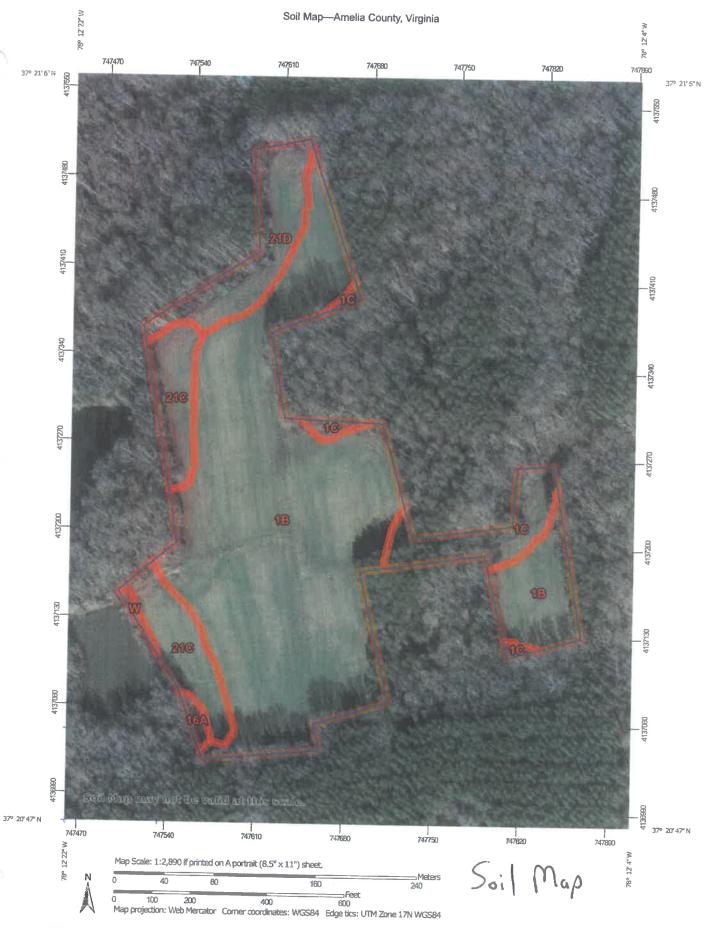
Owner City, St Zip: RICE VA 23966

Parcel ID: 26 15 1 | Page









### MAP LEGEND

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons

Soil Map Unit Lines

Soil Map Unit Points

#### **Special Point Features**

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

**Gravelly Spot** 

Landfill Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

Spoil Area

Stony Spot

Very Stony Spot Wet Spot

Other

Special Line Features

#### **Water Features**

Streams and Canals

#### Transportation

 $\leftrightarrow$ 

Interstate Highways

**US Routes** 

Rails

Major Roads Local Roads

### **Background**

Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# **Map Unit Legend**

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1B	Appling fine sandy loam, 2 to 7 percent slopes	13.0	71.4%
1C	Appling fine sandy loam, 7 to 15 percent slopes	1.3	7.3%
16A	Partlow fine sandy loam, 0 to 2 percent slopes, rarely flooded	0.1	0.7%
21C	Wedowee-Poindexter complex, 7 to 15 percent slopes	2.1	11.5%
21D	Wedowee-Poindexter complex, 15 to 25 percent slopes	-1.6	8.8%
W	Water	0.1	0.3%
Totals for Area of Interest		18.2	100.0%



#### MAP LEGEND

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points

#### **Special Point Features**

Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



**Gravelly Spot** 



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Saline Spot



Sandy Spot



Severely Eroded Spot



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot Other



Special Line Features

#### Water Features

Streams and Canals

#### Transportation

 $\longleftrightarrow$ 

Rails



Interstate Highways



**US Routes** 



Major Roads

Local Roads

#### **Background**



Aerial Photography

#### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5,

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## **Map Unit Legend**

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
18	Appling fine sandy loam, 2 to 7 percent slopes	4.5	53.3%
21C	Wedowee-Poindexter complex, 7 to 15 percent slopes	3.9	46.7%
Totals for Area of Interest		8.4	

7/13/2018 Page 1 of 3

Web Soil Survey National Cooperative Soil Survey

USDA

#### MAP LEGEND

#### Area of Interest (AOI) Not rated or not available Area of Interest (AOI) Water Features Soils Streams and Canals Soil Rating Polygons Transportation 0 - 25Rails +++ 25 - 50 Interstate Highways 50 - 100 **US Routes** 100 - 150 Major Roads 150 - 200 Local Roads > 200 Background Not rated or not available Aerial Photography **Soil Rating Lines** 0 - 25 25 - 50 50 - 100 100 - 150 150 - 200 Not rated or not available **Soil Rating Points** 0 - 25 25 - 50StO. 100 100 - 150 150 - 200 ≥ 200

#### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

### **Depth to Water Table**

Map unitsymbol	Map unit name	Rating (continueters)	Acres in AOI	Percent of AOI
1B	Applingfimesamdyloam, 2 to 7 percent slopes	>200	19.7	64.4%
1C	Appling fine samdy loam, 7 to 15 percentislopes	>200	2.7	8.8%
16A	Partitive fine samely loam, 0 to 2 percent slopes, rarely flooded	15	0.1	^o.5%
21C	Wedowee-Poindexter complex, 7 to 15 percent slopes	>200	6.5	21.3%
21D	Wedowee-Poindexter complex, 15 to 25 percent slopes	>200	1.5	5.0%
N	Water	>200	0.0	0.0%
ictals for Area of Intere	est		30.6	100.0%

### **Description**

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

## **Rating Options**

Units of Measure: centimeters

Aggregation Method: Dominant Component Component Percent Cutoff: None Specified

Tie-break Rule: Lower Interpret Nulls as Zero: No Beginning Month: January Ending Month: December

### Borum Tract T-2613 Field Data Sheet

Γ	Field	Total	Tract (	٦	
			Latitude	Coordinates	Field Type
	2613-1 2613-2	18.0 2.0	37.3485	-78.2042	Field Type Agricultural Agricultural
_	CUIN				
<u></u>	SUM	20.0			•

<sup>\*</sup>All Latitude/Longitude Points were obtained through Google Earth

### Borum Tract T-2614 Field Data Sheet

Field	Total	Tract C	Coordinates	7
	Acres	Latitude	Longitude	Field Type
2614-1	8.0	37.349	-78.208	Agricultural
:				
SUM	8.0			

\*All Latitude/Longitude Points were obtained through Google Earth



Jeë 1 - 20 - 20 http:

Amelia County, VA http://www.ameliacova.com

### N/A N/A

### Parcel Information

Parcel ID: 26 14 Tax Map: 26

Block: N/A

Property Address: N/A

N/A

Deed Book: 0239 Deed Page: 743 Account: 1930

Double Circle: N/A

Lot: 14

Description 1: N/A

Description 2: N/A
Description 3: 81.000 AC

Description 4: 2017-2020

### Valuation

Total: \$102,400 Land: \$102,400 Improvements: \$0 Use Value: \$61,600

### Ownership

#### **Current Owner**

Name: HORNE DONNA W ETAL

Owner Address: 11840 N LODORE RD

Owner City, St Zip: AMELIA COURT HSE VA 23002

Parcel ID: 26 14 1 | Page



# 7640 BLAND LN JETERSVILLE, VA 23083

## Parce Information

Parcel ID: 37 17

**Tax Map: 37** 

Block: N/A

Property Address: 7640 BLAND LN

JETERSVILLE, VA 23083

Deed Book: N/A

Deed Page: 0

Account: 6286

Double Circle: N/A

Lot: 17

Description 1: N/A

Description 2: N/A

Description 3: 202.000 AC

**Description 4:** 2013-2008

### Valuation

**Total:** \$653,100 **Land:** \$364,700

**Improvements:** \$288,400 **Use Value:** \$172,500

### Ownership

**Current Owner** 

Name: GREY JAMES

Owner Address: 7640 BLAND LN

Owner City, St Zip: JETERSVILLE VA 23083



# 7635 BLAND LN JETERSVILLE, VA 23083

Parcel ID: 37 53A

Tax Map: 37

Block: N/A

Property Address: 7635 BLAND LN

JETERSVILLE, VA 23083

Deed Book: N/A

Deed Page: 0

Account: 7104

Double Circle: N/A

Lot: 53A

Description 1: COM W/53-53D

Description 2: N/A

Description 3: 38.570 AC

**Description 4: 2010-2013** 

Valuation

**Total:** \$112,400 **Land:** \$107,400

Improvements: \$5,000 Use Value: \$33,000

Ownership

**Current Owner** 

Name: GREY JAMES W

Owner Address: 7640 BLAND LN

Owner City, St Zip: JETERSVILLE VA 23083



### N/A N/A

# Parel Intornation

Parcel ID: 37 53

Tax Map: 37

Block: N/A

Property Address: N/A

N/A

Deed Book: N/A

Deed Page: 0

Account: 2222

Double Circle: N/A

Lot: 53

Description 1: COMBINED WITH 37-53A

Description 2: N/A

Description 3: 4.150 AC

Description 4: N/A

#### Valuation

Total: N/A Land: \$0

Improvements: \$0 Use Value: \$0

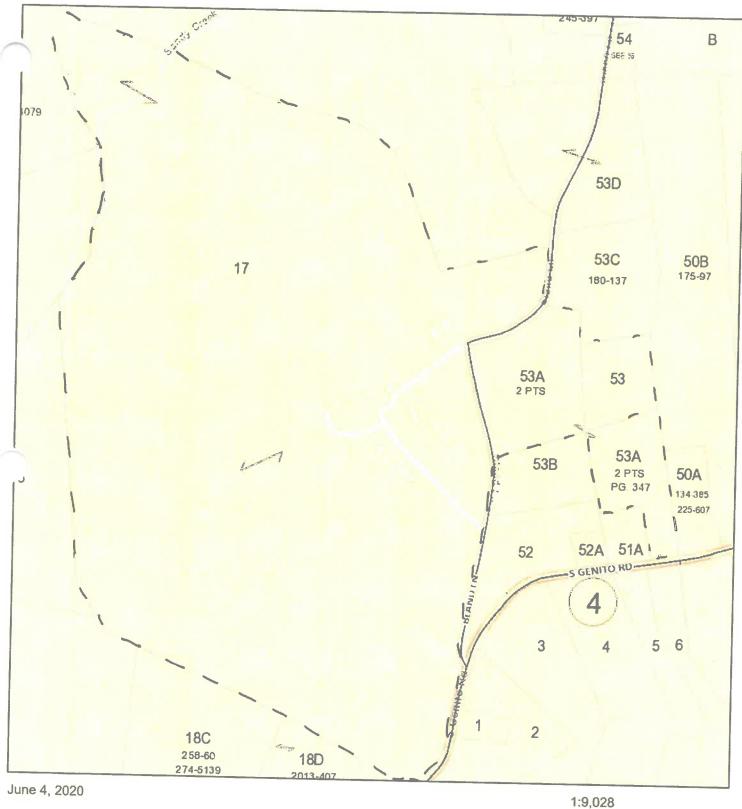
## Ownership ....

#### **Current Owner**

Name: GREY JAMES W

Owner Address: 7640 BLAND LN

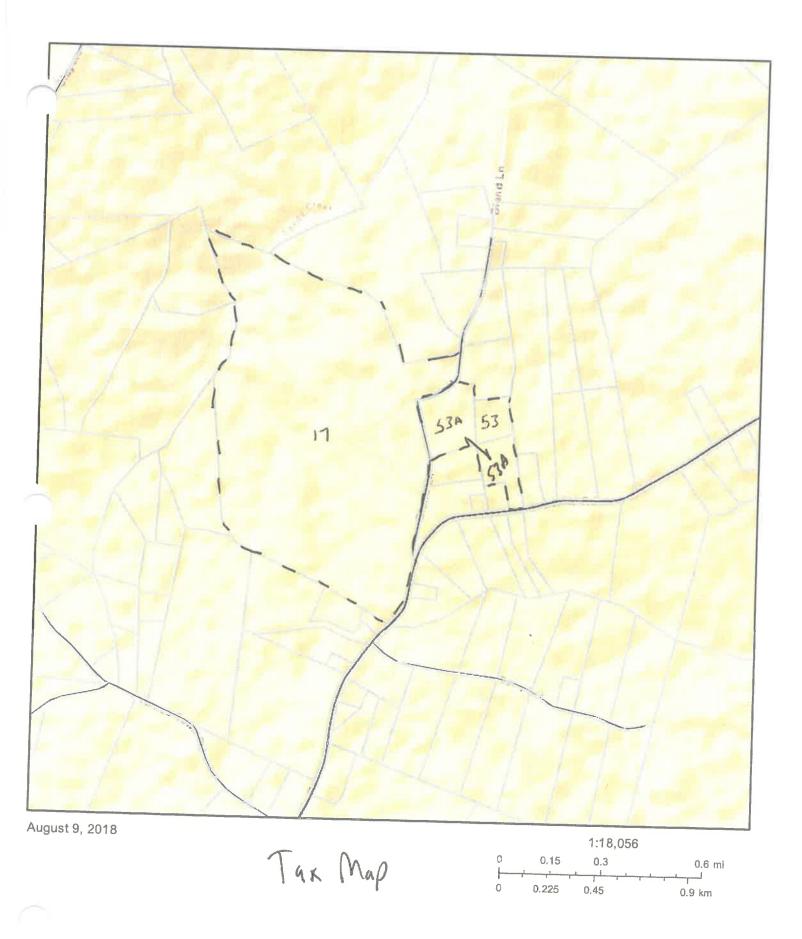
Owner City, St Zip: JETERSVILLE VA 23083

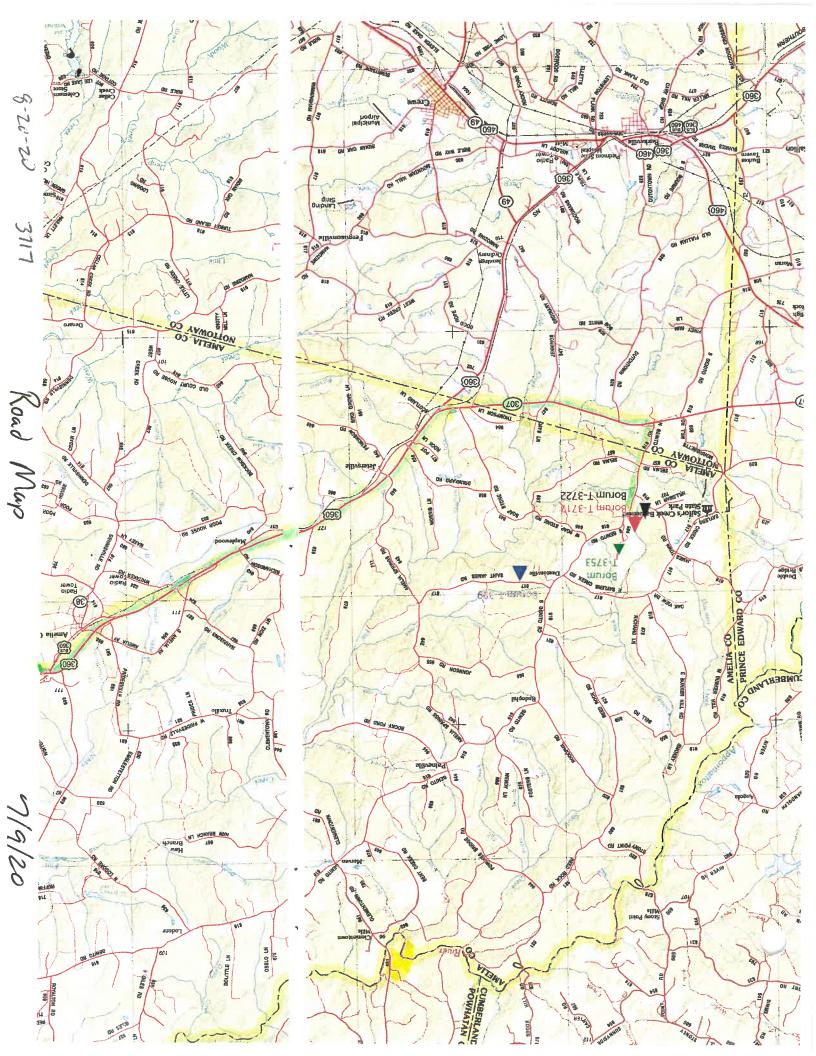


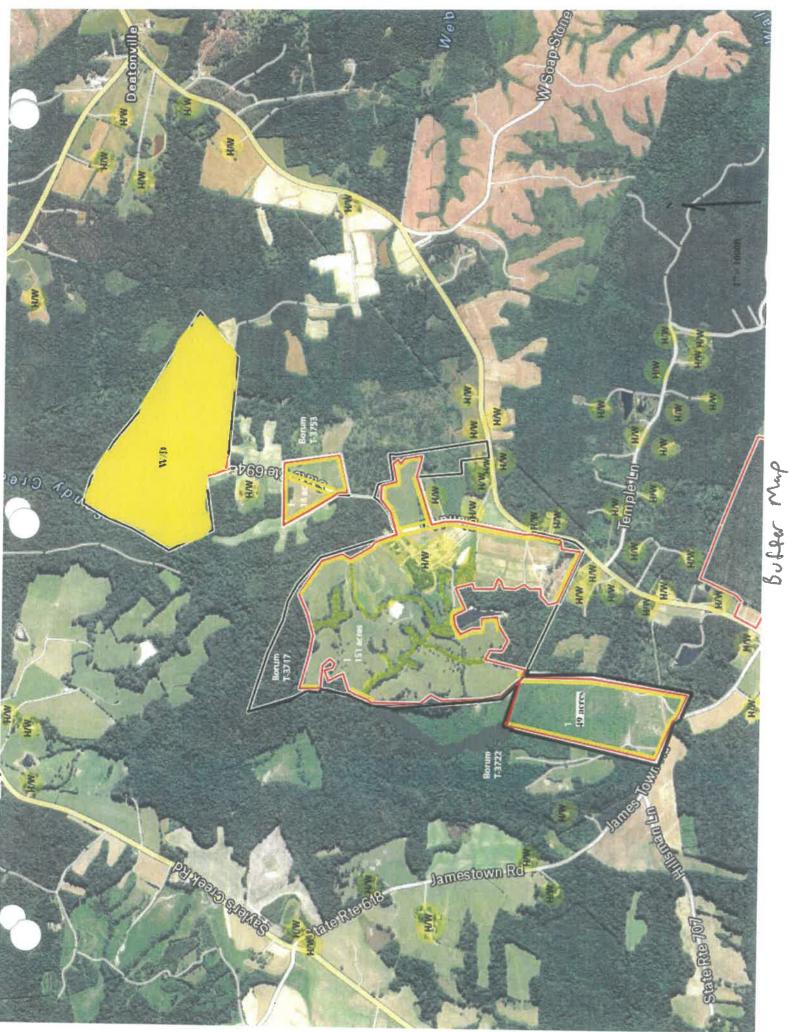
Tax Map

0 0.05 0.1 0.2 mi 0 0.07 0.15 0.3 km

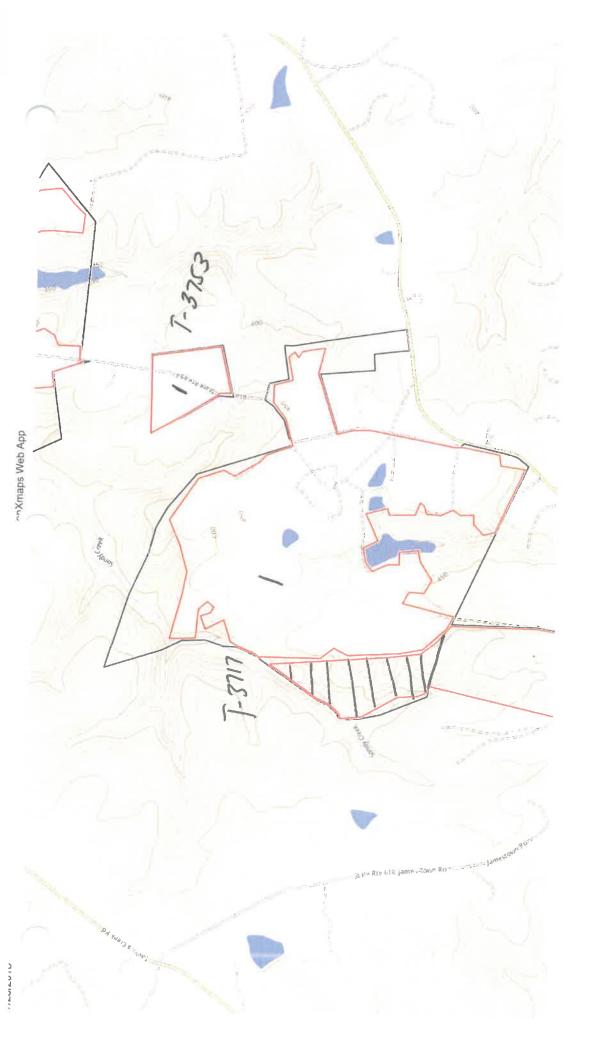
Sources: Esri, HERE, Garmin, FAO, NOAA, USGS.  $\ensuremath{\mathbb{G}}$  OpenStreetMap contributors, and the GIS User Community



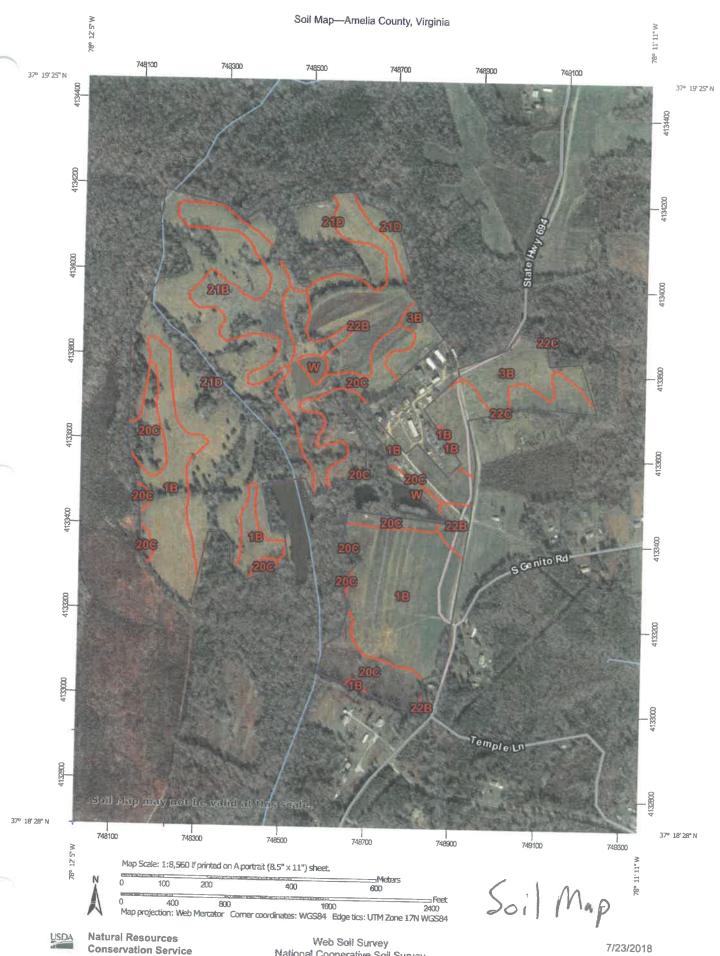




Buffer Map



Topo mas



#### MAP LEGEND

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points

#### Special Point Features

Blowout (0)

B

Borrow Pit Clay Spot

X

Closed Depression



Gravel Pit

Gravelly Spot



Lava Flow



Marsh or swamp



Mine or Quarry Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot

Spoil Area





Very Stony Spot



Other

Wel Spot



Special Line Features

#### Water Features

Streams and Canals

#### Transportation

+++

Rails



Interstate Highways



**US Routes** 



Major Roads Local Roads

#### Background



Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

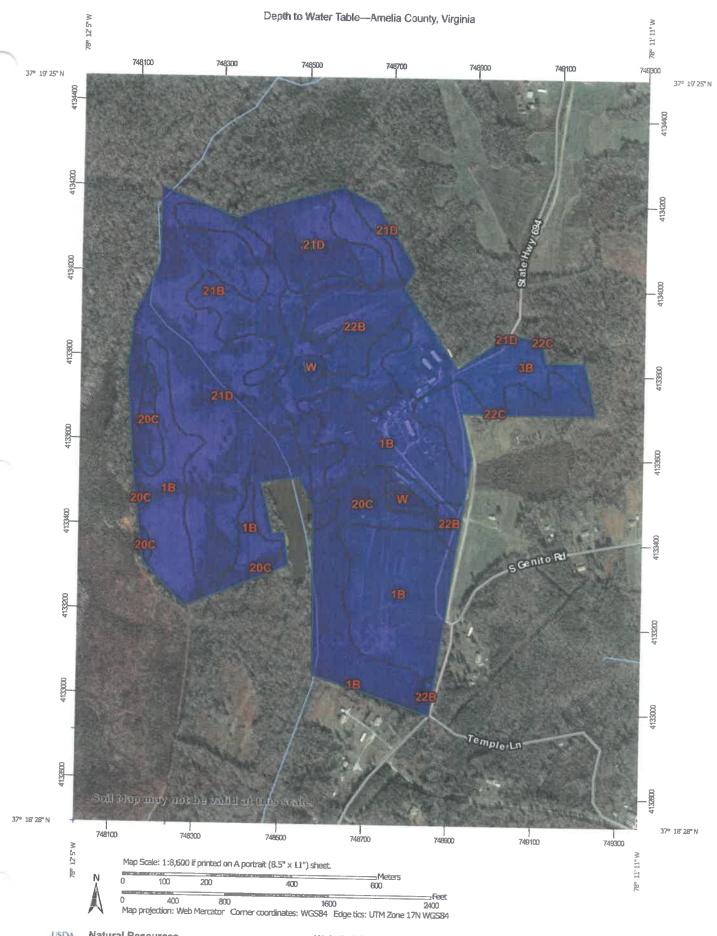
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1B	Appling fine sandy loam, 2 to 7 percent slopes	42.3	26.9%
3B	Cecil fine sandy loam, 2 to 7 percent slopes	9.2	5.9%
20C	Wedowee sandy loam, 7 to 15 percent slopes	23.9	15.2%
218	Wedowee-Poindexter complex, 2 to 7 percent slopes	9.9	6.3%
21D	Wedowee-Poindexter complex, 15 to 25 percent slopes	50.3	32.0%
22B	Winnsboro sandy loam, 2 to 7 percent slopes	14.2	9.0%
22C	Winnsboro sandy loam, 7 to 15 percent slopes	6.8	4.3%
N	Water		0.5%
otals for Area of Interest		157.5	100.0%



#### MAP LEGEND

#### Area off Interest(AOI) Nottrated or nottavailable Area offInterest(AOI) Water Features Soils Streams and Canalis Soil Rating Polygons Transportation 0 - 25Rails 14-1 25 - 50Interstate Highways 50 - 100 **US** Routes 100 - 150 Major Roads 150 - 200 Local Roads > 200 Background Not rated or not available Aerial Photography **Soil Rating Lines** 0 - 25 25 - 50 50 - 100 100 - 150 150 - 200 Not rated or not available Soil Rating Points 0 - 2525 - 50 50 - 100 100 - 150 150 - 200 > 200

#### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5,

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## **Depth to Water Table**

Mapumittsymbol	Map unit name	Ratting(centimeters)	Acres in AOI	Percent of AOI
1B	Appling fine sandy loam, 2 to 7 percent slopes		47.5	25.4%
3B	Çecilfinæsamdyloam, 2 to 7 percentslopes	>200	12.5	6.7%
20C	Wedowee sandy loam, 7 to 15 percent slopes	,>200	33.2	17.7%
21B	Wedowee-Paintester complex, 2 to 7 percent slopes	>200	9.9	5.3%
21D	Wedowee-Paindester complex, 15 to 25 percent slopes	>200	59.0	31.6%
22B	Winnsborosamdyloam, 2 to 7 percentislopes	>200	14.7	7.9%
22C	Winnsboro sandly loam, 7 to 15 percentislopes	>200	8.1	4.3%
₩		>200	2.0	1.1%
otals for Area of Interes	ast		186.9	100.0%

### **Description**

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

### **Rating Options**

Units of Measure: centimeters

Aggregation Method: Dominant Component Component Percent Cutoff: None Specified

Tie-break Rule: Lower Interpret Nulls as Zero: No Beginning Month: January

**Natural Resources** 

Conservation Service

Ending Month: December



## Borum Tract T-3717 Field Data Sheet

	Field	Total	Tract (	Tract Coordinates		
		Acres	Latitude		- Finds	
			Lutitude	Longitude	Field Type	
	3717-1	151.0	37.316	-78.1957	Agricultural	
1						
			1			
1						
			]			
	SUM	151.0				

\*All Latitude/Longitude Points were obtained through Google Earth

Ree'll 8-31-20

# VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

T-3722

PART D-VI:	LAND	APPLICATION	AGREEMENT -	BIOSOLIDS A	AND I	INDUSTRIAL	RESIDUALS
------------	------	-------------	-------------	-------------	-------	------------	-----------

A. This land application agreement is made on						
Table 1.: Parcels au	thorized to receive biosolids,	water treatment residuals	or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID			
37 ZZ 37 53D 37 11						
Additional parcels containing Lar	d Application Sites are identified on	Supplement A (check if application)	abie)			
Check one:   Th  Th  In the event that the Landov within 38 months of the late  1. Notify the purchase	Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)  Check one:  The Landowner is the sole owner of the properties identified herein.  The Landowner is one of multiple owners of the properties identified herein.  In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:  1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer, and					
The Landowner has no other notify the Permittee immediapplication or any part of the	er agreements for land applic ately if conditions change suc s agreement becomes invalid	ation on the fields identifich that the fields are no id d or the information herei	ed herein. The Landowner will inger available to the Permittee for n contained becomes incorrect			
agricultural sites identified a inspections on the land ider purpose of determining com	nts permission to the Permitte bove and in Exhibit A. The L diffied above, before, during o pliance with regulatory requi	andowner also grants pe or after land application of	rmission for DEQ staff to conduct			
Class B biosolids Wate x Yes ☐ No ☐ Ye		ood processing waste Yes x No	Other industrial sludges ☐ Yes x No			
manner authorized by the VPA	Signature Signature nittee, agrees to apply biosolids Permit Regulation and in amou	and/or industrial residuals onts not to exceed the rates	identified in the nutrient management. 2	- /		
manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.  The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.						
• •	assigning signatory authority to EQ for review upon request. (D	the person signing for lando o not check this box if the lando	wner above. I will make a copy of owner signs this agreement)			
Bill Burnett Permittee – Authorized Represen	Bill Buneth tative Signature	1	Nutri-Blend, Inc. P. O. Box 38060			
Printed Name	_		Henrico, VA 23231			
Rev 9/14/2012						

Recd8-3120

VIRGINIA POLLUTION ABATEMENT PERMIT APPL	ICATION: PART D-VI LAND APPLICATION AGREEMENT
Permittee: Nutri - Blend Inc	County or City: Amelia
Landowner: JAMES Grey	

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

#### 2. Public Access

- Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

#### 3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

### 4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial
  residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient
  management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Rev 9/14/2012

Page 2 of 2

Red 8-31-20

### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

#### Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement - Biosolids and Industrial Residuals form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

This form is not required when Form D - VPA Permit Application Workbook, Tabs 13.a and/or 13.b, are submitted. The information on that form supersedes the need to complete this Landowner Coordination Form.

Permittee: /V/Ki - Blend	
County or City: Amelia	
Please Print	(Landowner signatures are not required on this page)
Tax Parcel ID(s)	Landowner(s)
37 - ZZ 37 - 530	James Grey
37 - 530	ls l
37-17	11



Ree'd 8-31-20

Amelia County, VA http://www.ameliacova.com

### 7640 BLAND LN JETERSVILLE, VA 23083

### Parcel Information

Parcel ID: 37 17

Tax Map: 37

Block: N/A

JETERSVILLE, VA 23083

Deed Book: N/A

Property Address: 7640 BLAND LN

Deed Page: 0

Account: 6286

Double Circle: N/A

Lot: 17

Description 1: N/A

Description 2: N/A

Description 3: 202,000 AC

Description 4: 2013-2008

Total: \$653,100 Land: \$364,700

Improvements: \$288,400 Use Value: \$172,500

### Ownership

**Current Owner** 

Name: GREY JAMES

Owner Address: 7640 BLAND LN

Owner City, St Zip: JETERSVILLE VA 23083

Parcel ID: 37 17



Rec'd 8-31-20

Amelia County, VA http://www.ameliacova.com

### 7970 BLAND LN JETERSVILLE, VA 23083

Pancel Information

Parcel ID: 37 53D

Tax Map: 37

Block: N/A

Property Address: 7970 BLAND LN

JETERSVILLE, VA 23083

Deed Book: 0180

Deed Page: 138

Account: 5937

Double Circle: N/A

Lot: 53D

Description 1: COMBINED WITH 37-53A

Description 2: N/A

Description 3: 15.190 AC

Description 4: N/A

Valuation

Total: N/A

Land: S0

Improvements: \$0 Use Value: \$0

#### Ownership

**Current Owner** 

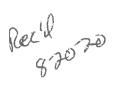
Name: GREY JAMES W

Owner Address: 7640 BLAND LN

Owner City, St Zip: JETERSVILLE VA 23083

Parcel ID: 37 53D

1 | Page





Amelia County, VA http://www.ameliacova.com

### N/A N/A

### Parcel Information

Parcel ID: 37 22

Tax Map: 37

Block: N/A

Property Address: N/A

N/A

Deed Book:

Deed Page:

Account:

Double Circle: N/A

Lot: 22

Description 1:

Description 2:

Description 3:

Description 4:

#### Valuation

Total: \$65,900 Land: \$65,900 Improvements: \$0

Use Value:

### Ownership

#### **Current Owner**

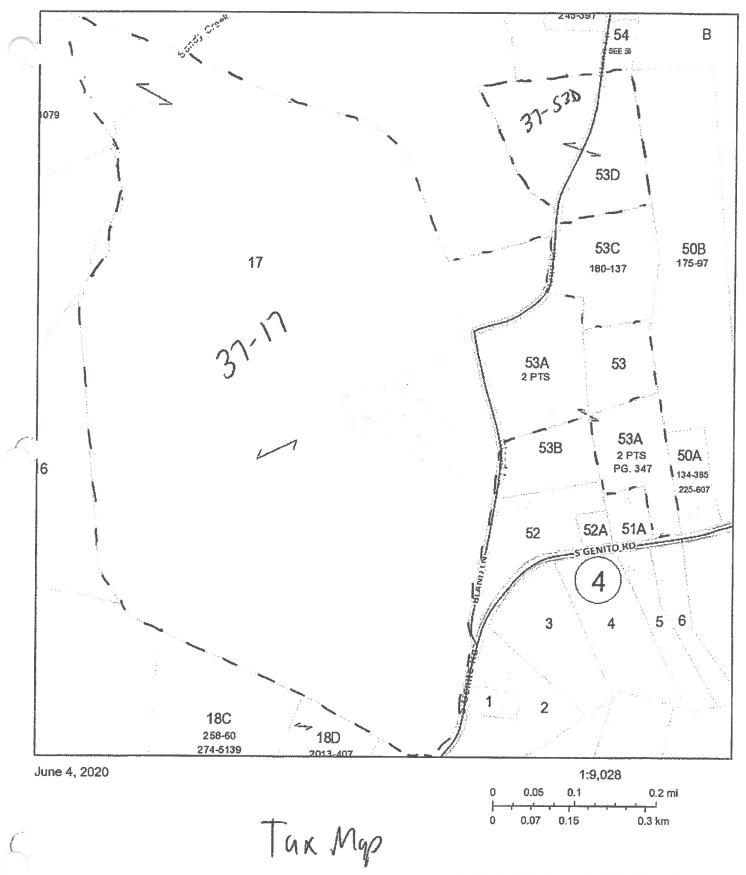
Name: GREY JAMES W

Owner Address: 7640 BLAND LN

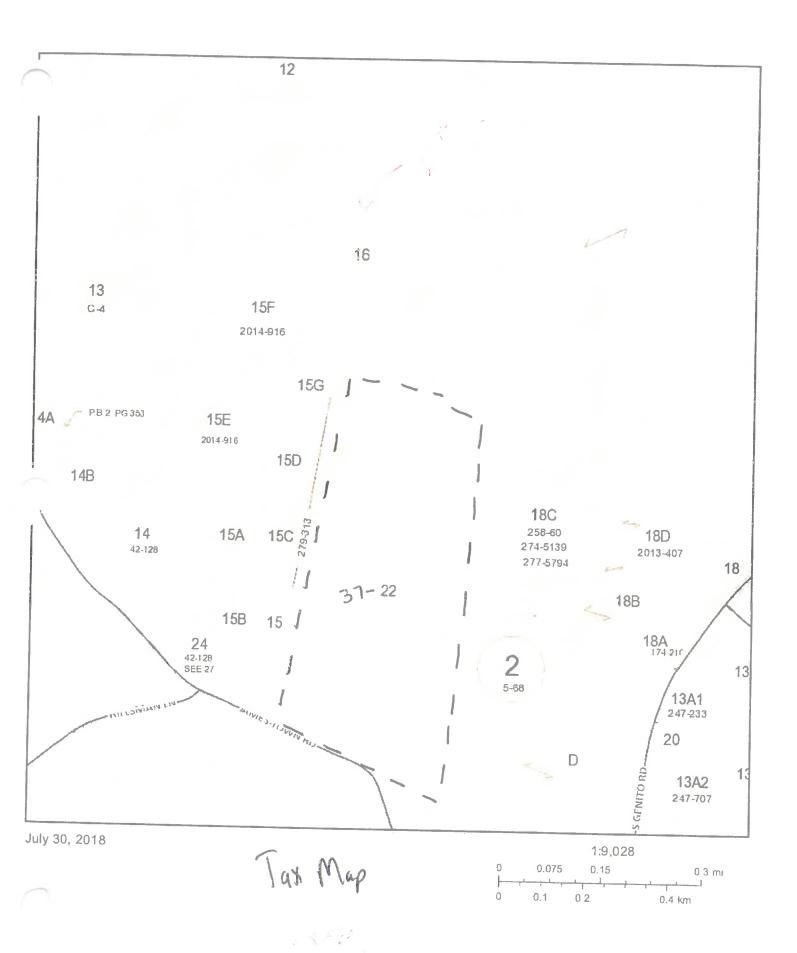
Owner City, St Zip: JETERSVILLE VA 23083

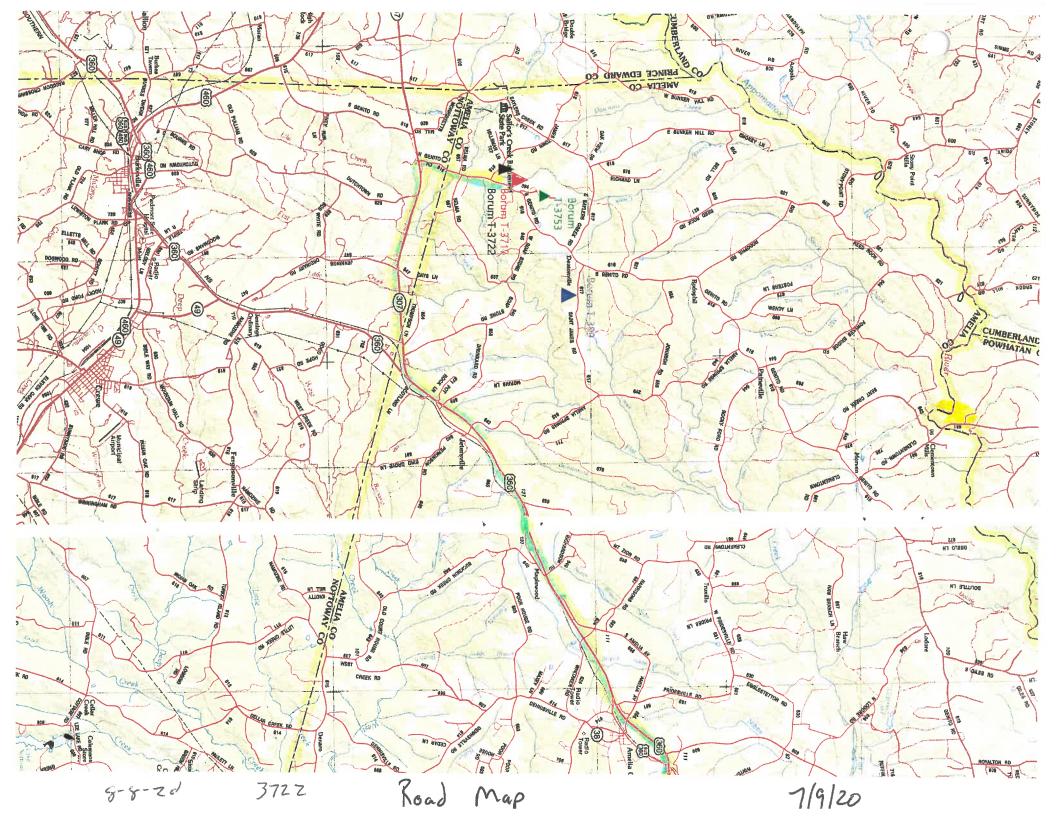
Parcel ID: 37 22 1 | Page

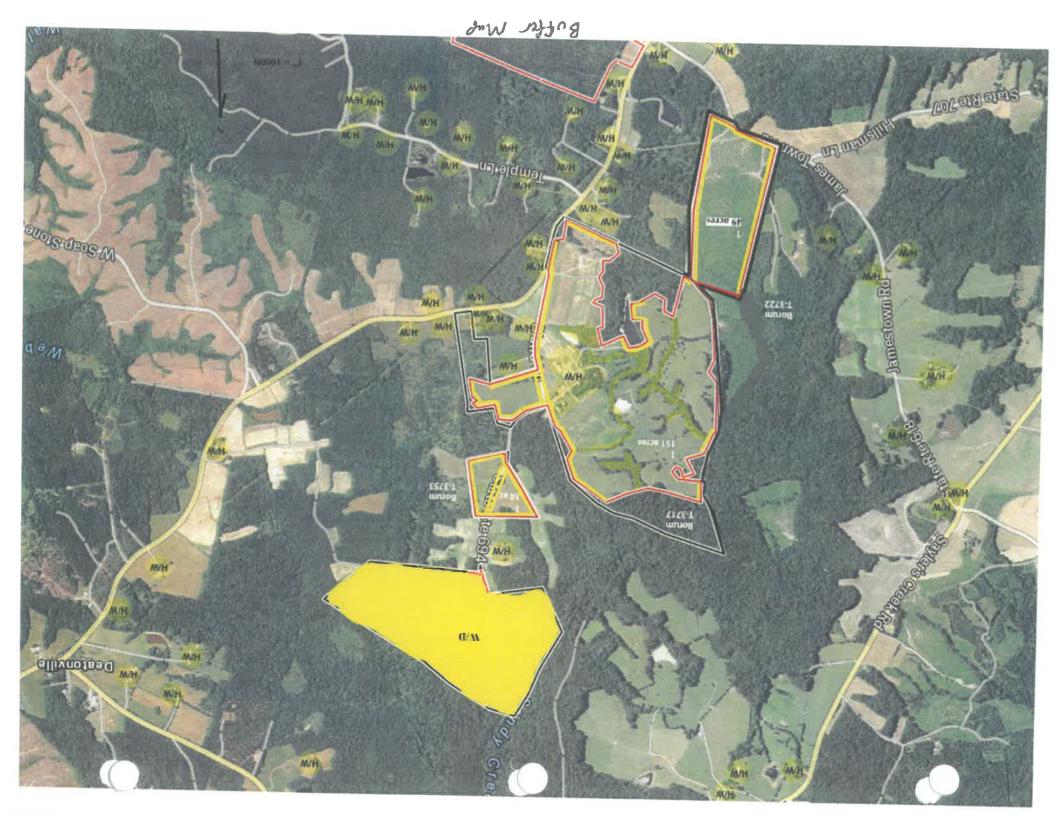
Lecil 8-31-20



Sources: Esri, HERE, Garmin, FAO, NOAA, USGS,  $\ensuremath{\mathfrak{G}}$  OpenStreetMap contributors, and the GIS User Community









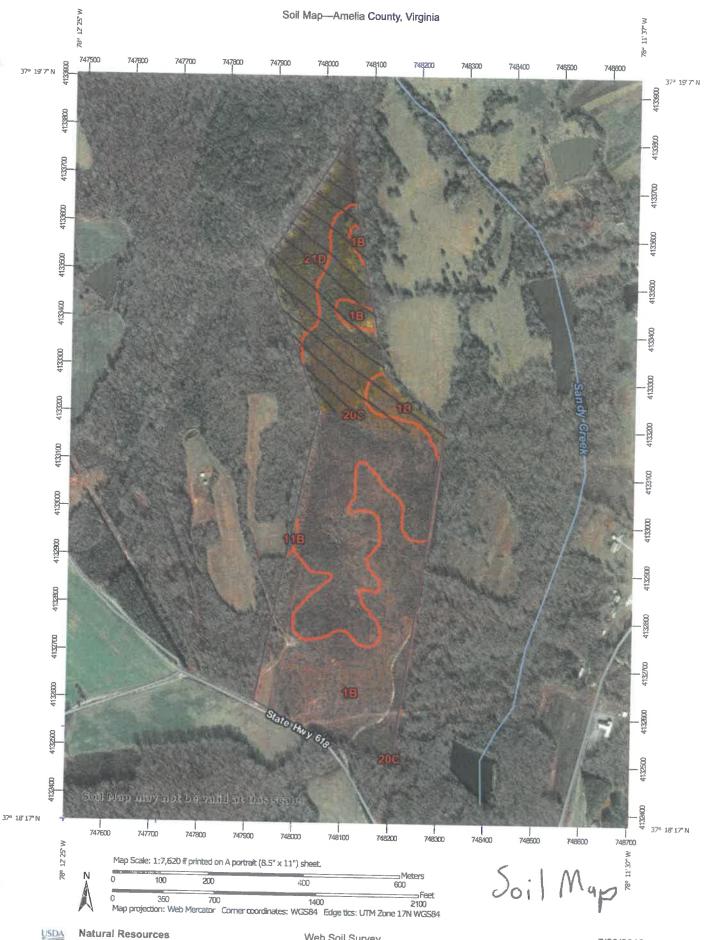
27,937

Day of the last

400

400,000 000,000

105,49



#### MAP LEGEND

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points

#### **Special Point Features**

Blowout

Borrow Pit Clay Spot

Closed Depression



Gravel Pit



**Gravelly Spot** 



Landfill



Lava Flow Marsh or swamp



Mine or Quarry



Miscellaneous Water Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip Sodic Spot

Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Special Line Features

#### Water Features

Streams and Canals

Rails

#### Transportation

+++



Interstate Highways



**US Routes** 



Major Roads

#### Local Roads



Aerial Photography

#### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

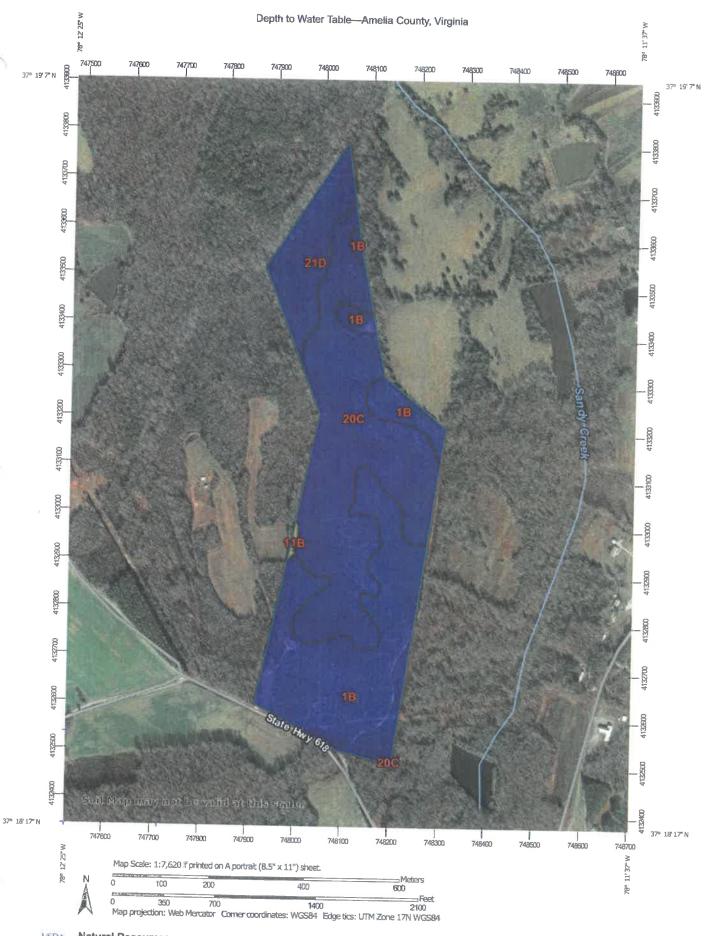
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
18	Appling/finesandy/loam, 2 to 7 percent slopes	29.3	41.9%
11B	Helena fine samdly loam, 2 to 7 percent slopes	0.2	0.3%
20C	Wedoweresandly/loam, 7 to 15 percent slopes	32.2	46.1%
21D	Wedowee-Poindexter complex, 15to 25 percentistopes es j	8.2	11.7%
Totals for Area of Interest		69.9	100.0%



#### MAP LEGEND

#### Area of Interest (AOI) Not rated or not available Area of Interest (AOI) **Water Features** Soils Streams and Canals Soil Rating Polygons Transportation 0 - 25 Rails +++ 25 - 50Interstate Highways 50 - 100**US Routes** 100 - 150 Major Roads 150 - 200 Local Roads > 200 Background Not rated or not available Aerial Photography Soil Rating Lines 0 - 2525 - 50 50 - 100 100 - 150 150 - 200 Not rated or not available Soil Rating Points 0 - 25 25 - 50 50 - 100 100 - 150 150 - 200 > 200

### **MAP INFORMATION**

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## **Depth to Water Table**

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
18	Appling fine sandy loam, 2 to 7 percent slopes	>200	29.3	41.9%
118	Helena fine sandy loam, 2 to 7 percent slopes	61	0.2	0.3%
20C	Wedowee sandy loam, 7 to 15 percent slopes	>200	32.2	46.1%
21D	Wedowee-Poindexter complex, 15 to 25 percent slopes	>200	8.2	11.7%
Totals for Area of Interest			69.9	100.0%

### **Description**

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

## **Rating Options**

Units of Measure: centimeters

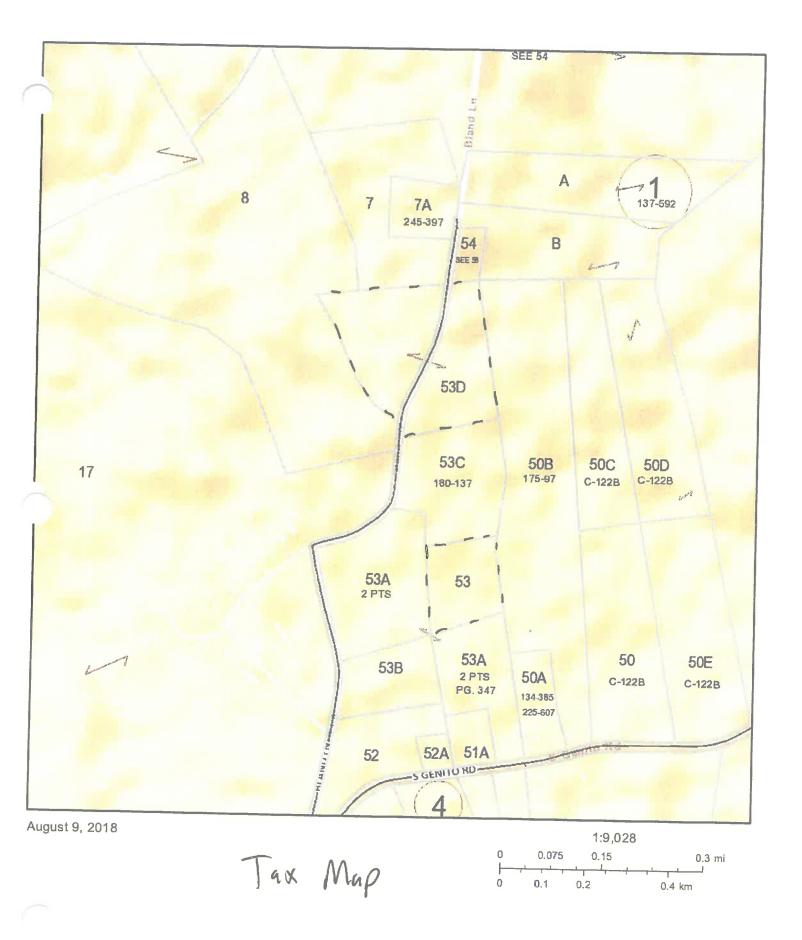
Aggregation Method: Dominant Component Component Percent Cutoff: None Specified

Tie-break Rule: Lower Interpret Nulls as Zero: No Beginning Month: January Ending Month: December

## Borum Tract T-3722 Field Data Sheet

Field	Total	Tract (	٦	
	Acres	Latitude	Longitude	Field Type
3722-1	49.0	37.3105	-78.2003	Agricultural
SLIBE	10.0			
SUM	49.0			

\*All Latitude/Longitude Points were obtained through Google Earth







## 7970 BLAND LN JETERSVILLE, VA 23083

### Paris Milliania III

Parcel ID: 37 53D

**Tax Map:** 37

Block: N/A

Property Address: 7970 BLAND LN

JETERSVILLE, VA 23083

Deed Book: 0180

Deed Page: 138

Account: 5937

Double Circle: N/A

Lot: 53D

Description 1: COMBINED WITH 37-53A

Description 2: N/A

Description 3: 15.190 AC

Description 4: N/A

#### Wall with the same of

Total: N/A Land: S0

Improvements: \$0
Use Value: \$0

### STEEL STEEL

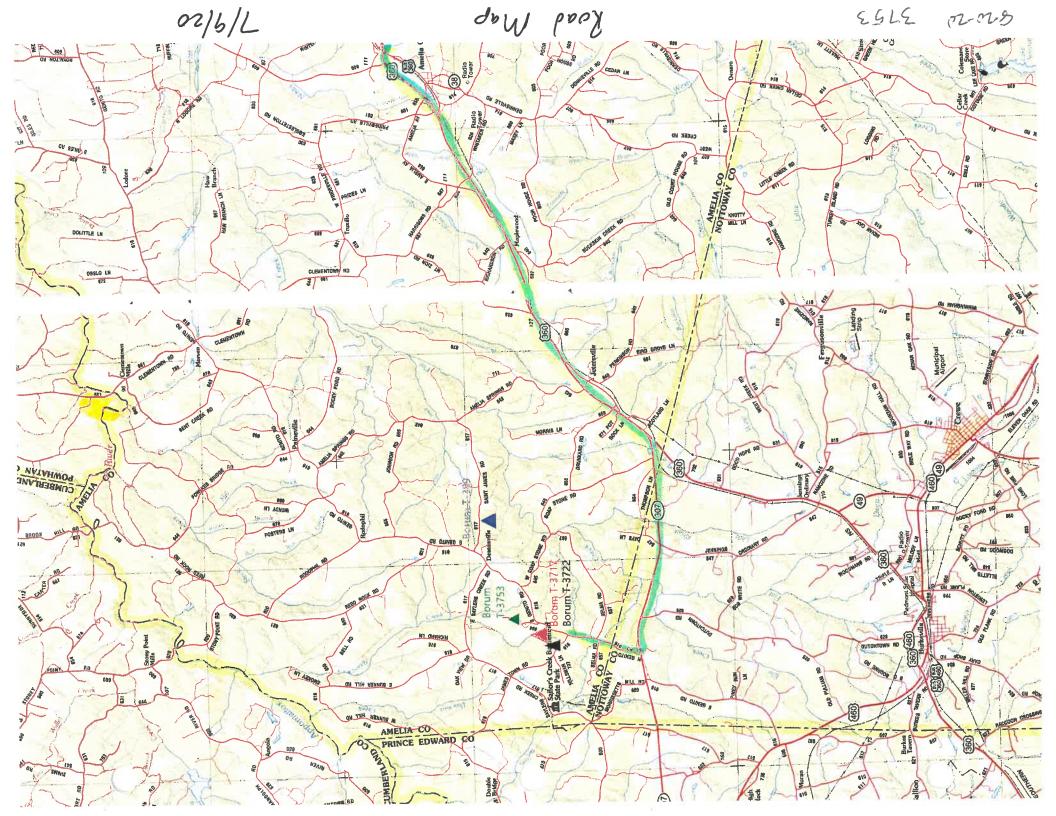
**Current Owner** 

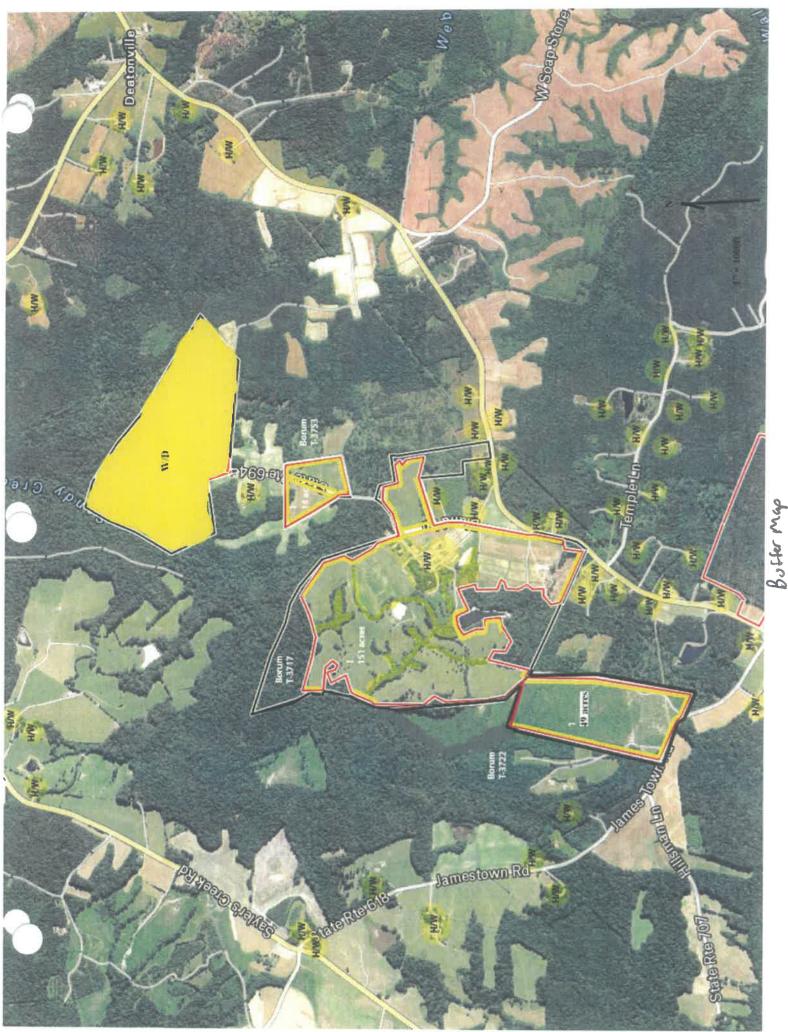
Name: GREY JAMES W

Owner Address: 7640 BLAND LN

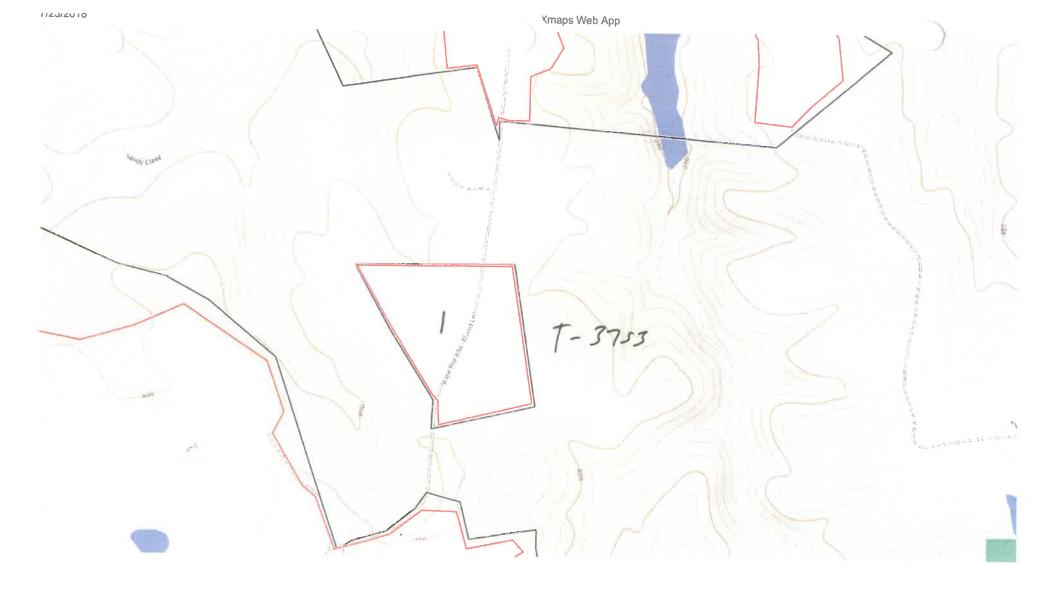
Owner City, St Zip: JETERSVILLE VA 23083

Parcel ID: 37 53D





Butter Map



Topo Map



Page 1 of 3

#### MAP LEGEND

#### Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygans

Soil Map Unit Lines

Soil Map Unit Points

Special Pointt Features

(2)

Blowout

Borrow Pit Clay Spot

ガ

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow



Marsh or swamp

Mine or Quarry 杂 Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

Spoil Area



Very Stony Spot



Wet Spot



Special Line Features

#### Water Features

Streams and Canals

#### Transportation

+++

Rails

Interstate Highways



**US Routes** 



Major Roads Local Roads

### Background



Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

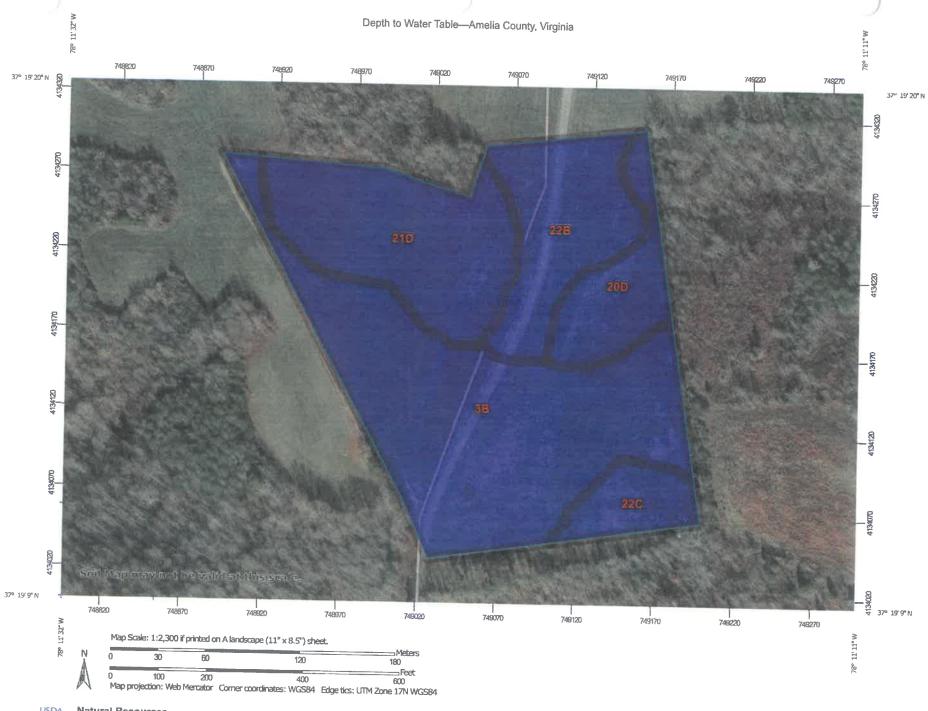
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5,

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# **Map Unit Legend**

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3B	Cecil fine sandy loam, 2 to 7 percent slopes	6.2	46.3%
20D	Wedowee sandy loam, 15 to 25 percent slopes	1.3	9.3%
21D	Wedowee-Poindexter complex, 15 to 25 percent slopes	3.0	22.5%
22B	Winnsboro sandy loam, 2 to 7 percent slopes	2.2	16.2%
22C	Winnsboro sandy loam, 7 to 15 percent slopes	0.8	5.7%
otals for Area of Interest		13.4	100.0%



Not rated or not available

Streams and Canals

Interstate Highways

#### MAP LEGEND

**Water Features** 

Transportation

Background

Rails

**US Routes** 

Major Roads

Local Roads

Aerial Photography

### Area of Interest (AOI) Area of Interest (AOI)

#### Soils

### **Soil Rating Polygons**



0 - 25



25 - 50



50 - 100



100 - 150



150 - 200 > 200



Not rated or not available

#### Soil Rating Lines

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

Not rated or not available

#### Soil Rating Points

0 - 25

25 - 50

50 - 100

100 - 150

150 - 200

> 200

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia Survey Area Data: Version 14, Oct 2, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 22, 2015—Mar 5,

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## **Depth to Water Table**

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOi	Percent of AOI
3B	Cecil fine sandy loam, 2 to 7 percent slopes	>200	6.2	46.3%
20D	Wedowee sandy loam, 15 to 25 percent slopes	>200	1.3	9.3%
21D	Wedowee-Poindexter complex, 15 to 25 percent slopes	>200	3.0	22.5%
22B	Winnsboro sandy loam, 2 to 7 percent slopes	>200	2.2	16.2%
22C	Winnsboro sandy loam, 7 to 15 percent slopes	>200	0.8	5.7%
otals for Area of Inter	est		13.4	100.0%

### Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

### **Rating Options**

Units of Measure: centimeters

Aggregation Method: Dominant Component Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No Beginning Month: January Ending Month: December



## Borum Tract T-3753 Field Data Sheet

Field	Total	Tract C	7	
	Acres	Latitude	Longitude	Field Type
3753-1	14.0	37.3209	-78.1908	Agricultural
SUM	14.0			

\*All Latitude/Longitude Points were obtained through Google Earth